

N-PBS

Bidder's Guide V 25.7

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N-Preferential Bidding WebApp Bidder's Guide

Chapter 01

1.1 N-Preferential Bidding Web App Bidder's Guide

1.1.A Welcome to N-Preferential Bidding

This manual contains information on all versions of NAVBLUE N-Preferential Bidding Web App interface.

If the option described in this manual does not appear on your interface, it is not available to you.

1.1.B Welcome to the N-PBS Web App Bidder Interface!

Get started [here](#).

What's new in this release? - click [here](#) for more information

What's New in This Release

Chapter 02

2.1 What's New in This Release

This page describes some of the new features in the N-Preferential Bidding [Keywords] release. Not all features are available or applicable to all customers, if you don't see a feature described here on your screen you don't have it.

2.1.A Browser Cache

NAVBLUE recommends that all users clear their browser cache before using N-PBS version [Keywords]. See your browser documentation for instructions on how to clear the cache.

2.1.B Release Items

Enhancements

S-100156 Community - Remove Ordered from Landings in option

Description

We have updated the Landings In bid preference option to remove the unsupported "Ordered" selection. This change ensures that all displayed preference options are fully functional and supported by the PBS system, providing you with a more accurate bidding experience.

Acceptance Criteria

GIVEN any ALC bidder

WHEN in an award pairing, Landings In bid preference screen

THEN I should not be able to see the Ordered option and the counting deadhead legs checkbox should be unchecked by default

S-99492 Community - Archived Import Download

Description

This release introduces a new, dedicated interface to view and manage your history of imported files, providing greater transparency and control over your data.

Who Can Use It?

- This feature is exclusively available to Users with the Scheduler Role.

What's New?

We have added a new option that grants Schedulers the ability to view and manage all previous import files.

1. Comprehensive File History

- You can now access a table showing all files that have been imported into the system.
- The table layout is similar to the existing 'Periods' tab for quick familiarity.

2. Powerful Filtering Options

Easily locate the exact file you need using new filters:

- Import Type: Filter the list based on the type of data that was imported (e.g., Crew Data, Schedule Updates, etc.).
- Time Period: Specify a date range (e.g., last 7 days, last month, custom dates) to narrow down the file list.

- Time of Import: Refine your search based on the specific time of day the file was uploaded.

3. Download Capability

- Every file displayed in the history table now includes a Download option, allowing you to quickly retrieve the original imported file for auditing or review purposes.

Acceptance Criteria

GIVEN a PBS scheduler

WHEN viewing the General/Archived Imports tab

THEN all previous imports for the current ALC will be displayed

WHEN filtering based on the import group type

THEN only imports with that group are shown + any other filters are followed

WHEN filtering based on the period

THEN only imports imported in that period are shown + any other filters are followed

WHEN filtering based on the time

THEN only imports imported in that time frame are shown + any other filters are followed

WHEN selecting an archived import

AND

WHEN clicking the download button

THEN a dialogue will pop up to prompt the user where to save the file

AND

THEN the file will download successfully

GIVEN a PBS CrewAdmin

WHEN viewing the general tab

THEN they will not see the Archived Imports tab

S-97230 Community - Change the log out message if not submitted bid

Description

We have updated the messaging displayed when you attempt to sign out without submitting recent changes to your bid preferences. This change is designed to use more accurate and standard terminology.

What Changed?

The pop-up message that appears when you try to log out with unsubmitted bid changes has been updated for clarity:

Element	Old Text	New Text
Pop-up Header	"Unsaved Bids"	"Unsubmitted Bids"
Message Body	"You have not saved one or more bids that you have updated. Do you still want to sign out?"	"You have not submitted one or more bids that you have updated. Do you still want to sign out?"
Action Button	"Cancel"	"No"

Acceptance Criteria

GIVEN any ALC bidder

WHEN logging out of PBS, and I have not submitted my current bid group
 THEN I will see the NEW error message "You have not submitted one or more bids that have been updated. Do you still want to sign out?" on the pop-up.

GIVEN any ALC bidder

WHEN logging out of PBS, and I have not submitted my current bid group

THEN I will see the NEW header: "Unsubmitted bids" on the pop-up.

GIVEN any ALC bidder

WHEN logging out of PBS, and I have not submitted my current bid group

Then I will see the popup with a message with two buttons to click - the "Yes" and "No" button.

S-99403 Community - Externalize and secure PBS Class API credentials

Description

This release delivers a significant security and infrastructure update for how your system communicates with the PBS Class API.

What Changed?

We have modernized the approach for authenticating with the PBS Class API interface.

- The system no longer uses a single, shared (hardcoded) set of credentials for all customers.
- The system has been upgraded to utilize a modern, secure, and dedicated secret management solution.

What This Means for You

- **Improved Security:** Your instance of the Class API now uses its own unique, securely stored credentials. This ensures a stronger separation of access and protects your data more effectively.
- **Enhanced Stability:** By separating credentials, any issue related to a specific authentication key is isolated to your environment, improving overall system stability.
- **Customer-Specific Configuration:** This change allows for better configuration management, ensuring that your connection to the PBS Class API is robust and dedicated to your operational needs.

Acceptance Criteria

GIVEN a PBS Class API installation

WHEN 2 new configuration parameters are added: CLASS_API_USERNAME and CLASS_API_PASSWORD on NAVNWSPParams.xml file

THEN Class API will read the configured credentials and authenticate its requests against them.

GIVEN a PBS Class API installation

WHEN adding a configuration parameter CLASS_API_PASSWORD on NAVNWSPParams.xml file

THEN that parameter will be hashed using SHA-256 and Base64 encoded to securely store it on the configuration file using OpenSSL.

GIVEN a PBS Class API installation

WHEN No configuration parameters are added on NAVNWSPParams.xml file (CLASS_API_USERNAME and CLASS_API_PASSWORD)

THEN Class API requests will return a HTTP 401 error .

S-100733 Community - PBSReporting reuse connections

Description

This release includes an important, under-the-hood optimization to how our system manages connections to the database, resulting in improved efficiency and stability for reporting and administrative processes.

What Changed?

We have optimized the way the system connects to the database, specifically within the PBSReporting and FalconAdminHelper modules.

- **Reusing Connections:** Instead of creating a new connection for every small operation, the system will now efficiently reuse an existing connection across multiple related tasks.

What This Means for You

- **Faster Reporting:** By dramatically reducing the number of new database connections that need to be opened, we anticipate a reduction in processing time for various reports and data-intensive operations.
- **Improved Stability and Reliability:** Fewer database connections being opened and closed means less overhead and less strain on the database server, leading to a more stable and reliable reporting platform, especially during peak usage times.
- **Enhanced System Efficiency:** This change optimizes resource allocation, ensuring the system runs more smoothly overall.

Acceptance Criteria

GIVEN a PBS admin

WHEN creating a report

THEN the total runtime will shrink

S-100732 Community - ReportProcessor::WalkTree improve processing speed

Description

We have completed an optimization to the core logic that processes and generates your reports, leading to faster results, especially for complex or composite reports.

What Changed?

We have refined the way the system processes the input data for reports (specifically within the ReportProcessor::WalkTree function).

- The system is now using a more efficient method that quickly looks up and finds report elements by utilizing an internal data structure (std::map).

What This Means for You

- **Faster Report Generation:** This technical refinement significantly speeds up the time it takes for the system to process report structures, which translates directly into reduced waiting time when running reports.
- **Improved Performance for Composite Reports:** Users running complex reports built from multiple components (Composite Reports) will notice the most significant gains in processing speed.
- **Overall Efficiency:** This optimization reduces the computational load on the system, contributing to better performance and responsiveness across the entire application.

This change is part of our ongoing commitment to making the reporting tools as fast and efficient as possible.

Acceptance Criteria

GIVEN a PBS admin

WHEN creating a report

THEN the total runtime will shrink

S-98870 Community - Reduce duplication around time & date & array-to-text creation in ClassBid's bidsservice**Description**

This release includes a behind-the-scenes update to standardize how dates and times are presented across the bidding application.

What Changed?

We have optimized the system code to ensure a single, consistent approach is used for displaying date and time information throughout the application.

- Specifically, this ensures that the Time format is consistently shown as HH:MM (Hour:Minute).
- The Date format is consistently shown as Month Day, Year (e.g., December 15, 2025).

What This Means for You

- Improved Consistency: You will now see dates and times displayed in the exact same format everywhere in the bidding interface, eliminating any potential confusion caused by slight variations.
- Fewer Errors: Centralizing the logic for formatting data helps prevent display errors, ensuring the dates and times you rely on are always accurate and readable.
- Faster Updates: By simplifying the underlying code, future updates to how we present time and date information can be implemented more quickly and reliably across the entire application.

Acceptance Criteria

GIVEN As a bidder

WHEN Awarding/Avoiding/Adding bid line

THEN time shown as 00:00 or 000:00, dates shown as Month day, year, lists of values shown as value1, value2, value3

S-97275 Community - Excel Report issue - FO & FA Runs**Description**

We have resolved a critical issue that prevented the Excel report generation feature from running correctly for certain user groups.

What was Happening?

Some users, particularly those categorized as Flight Attendants (FA) and First Officers (FO), experienced significant issues when attempting to export data to an Excel report. Reports were either taking an unusually long time to complete or failing to generate entirely.

What's Fixed?

- Reliable Excel Generation: The underlying issue causing the failures and slowdowns for FA and FO roles has been identified and corrected.
- Consistent Performance: Excel report generation is now expected to complete reliably and in a timely manner for all users, mirroring the successful performance previously seen for Captain (CA) reports.

Acceptance Criteria

Given Admin has logged into the Admin UI

When creating the excel report for FAs

Then the system should create the Excel report in a timely manner.

Given Admin has logged into the Admin UI

when creating the excel report for FOs

Then the system should create the Excel report in a timely manner.

S-97229 Community - Autosave & Submit-Remove the Save Button, Auto-Save triggered off of the apply action**Description**

We are excited to announce a significant improvement to your bidding experience: manual saving is no longer required! Your changes are now automatically saved as you work, preventing accidental data loss.

What Changed?

- The Manual "Save" Button Has Been Removed: The dedicated "Save" button has been taken out of the bidding interface to streamline your workflow. The remaining toolbar icons have been rearranged to fill the space.
- Introducing Auto-Save: Your bid changes are now automatically saved to the system whenever you perform a critical action.

How Auto-Save Works

Your changes will be saved automatically when you perform any of the following actions:

- Clicking the "Apply" button after creating or editing a new bid line.
- Reordering your existing bid lines or bid groups.
- Deleting a bid line or bid group.
- Using the Copy/Cut and Paste options.
- Adding new bid lines from the Pairings, Trainings, or Short Calls tabs.

What This Means for You

- Worry-Free Bidding: You no longer need to remember to click "Save." This significantly reduces the risk of losing work if you navigate away or experience an interruption.
- Faster Workflow: Focus purely on building your bid without the interruption of manually saving.

Acceptance Criteria

GIVEN any ALC bidder

WHEN viewing the bidder UI

THEN I will no longer see the save button

GIVEN any ALC bidder

WHEN applying ANY bid preference, using the apply button

THEN my current bid will be auto saved to my cache

GIVEN any ALC Bidder

WHEN reordering or deleting lines in my bid groups

THEN the system will auto save my bid

GIVEN any ALC Bidder

WHEN copying and pasting bid lines or bid groups

THEN the system will auto-save my bid

GIVEN any ALC Bidder

WHEN adding bid lines from the pairings tab, the training tab, and the short calls tab (DAL Only)

THEN the system will auto save my bid.

S-97231 Community - Add a status message for the bidder for them to know where they are in process

Description

What Changed?

A new status message area has been introduced to inform you exactly where you are in the process after performing an action.

What This Means for You

- Clear Confirmation: You will now receive immediate visual feedback letting you know the system successfully received your input.
 - Example: When you successfully save or submit a bid, you might see a message like "Bid Saved Successfully" or "Submission Processing."
- Process Transparency: The status message will clarify the current state of your action, eliminating guesswork about whether a process is running, completed, or requires further input.
- Reduced Uncertainty: This enhancement provides a smoother, more reassuring bidding experience, particularly after performing critical actions like applying bid lines or submitting the final bid.

This feature is designed to ensure you always know the current state of your bid and the system's response to your actions.

Bid Period: 2025-05-01 To 2025-05-31 Confirmation # Bids Modified Last Submitted: 22 May, 2025 14:01 UTC(NavAdmin)

NEW STATUS MESSAGE:

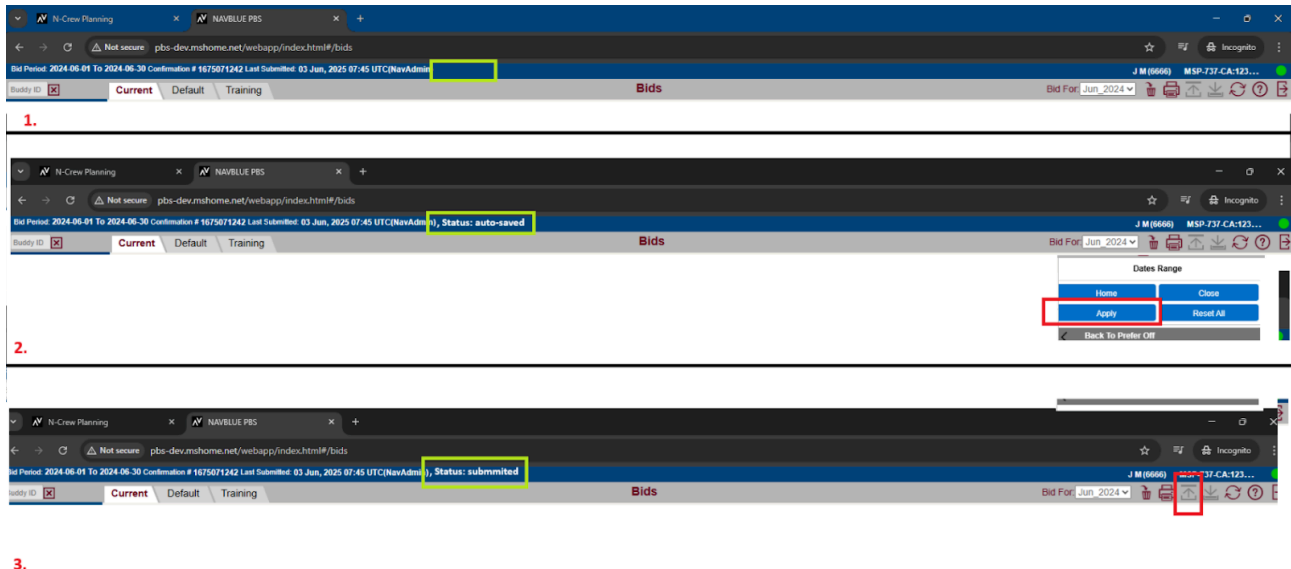
Status: Autosaved

OR

Bid Period: 2025-05-01 To 2025-05-31 Confirmation # Bids Modified Last Submitted: 22 May, 2025 14:01 UTC(NavAdmin)

Status: Submitted Confirmation #: xxxxxxxxxx

Status should occur after the apply/submit button hit and stay for 2s. After that should disappear.



Acceptance Criteria

GIVEN any ALC

WHEN adding bid preferences to my bid and I click the apply button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN adding bid preferences to my bid via pairings tab and I click the award button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN adding bid preferences to my bid via pairings tab and I click the avoid button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN adding training bid preferences to my bid via Training tab and I click the award button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN adding training bid preferences to my bid via Training tab and I click the avoid button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN adding short call bid preferences to my bid via short calls tab and I click the award button

THEN I will see the new status message above reading Status: Autosaved

GIVEN any ALC

WHEN submitting my bid

THEN you will see the Status: Submitted with Confirmation number: xxxxxxxx with no changes to the bid submission pop-up .

S-100181 Community - Implement Updated Import Error Messages

Description

Update error messages for AIMS and RAIDO integrations so that the error messages are user friendly.

Acceptance Criteria

GIVEN a PBS admin

WHEN importing files & there is an issue

THEN I'll see the updated error message

S-65408 Community - NOC Community-Add Total Line Credit to N-OC Export

Description

We have enhanced the N-OC Export to include a crucial piece of compensation information, streamlining your payroll and administrative processes.

What's New?

- Total Line Credit (In Period Credit) is now included in the N-OC Export.

This new field provides the total number of minutes of credit earned by a crew member within the payroll period, ensuring that the data ingested into your N-OC (Network Operations Center) system is complete and accurate.

Where to find it:

- The total credit, presented in minutes, will be included within the crew section of the N-OC Export data.
- This value will match the "In Period Credit" total found in reports like the Schedule Report.

This update helps simplify your data reconciliation and ensures seamless integration with your downstream systems.

Acceptance Criteria

Given an Admin

When viewing the N-OC Export file from a run

Then I should see the total in period credit displayed in minutes for each crewmember in the api ExternalAWDCredit field.

S-99796 Community -SSO - Login with Bidder Credentials on Admin UI has Login Cycling Issue**Description**

As a Bidder when logging via the URL for Admin UI I should to be redirected to Webapp (Bidder UI) and logged in

Acceptance Criteria

GIVEN Admin UI with SSO

WHEN Bidder is logging in

THEN The bidder is redirected and logged in to Webapp (Bidder UI)

Bugs**N-PBS 25.7 Bug Fixes****D-49485-Community - 'Hamburger' Menu is Missing for the Second and Subsequent Selected Lines****Description**

We've resolved a bug (a regression from a previous release) that prevented the Analyzer tool from activating correctly when you selected two or more lines of text.

- The "hamburger" menu that appears after selection now correctly applies the Analyzer to all selected lines, not just the first one.

(Note: The remaining related item from our internal ticket D-49385 will be addressed in a story not defect.)



Resolution Details

We have implemented a fix in the **Bids tab** to address an issue where the bidline was selected but the associated action menu (the "hamburger" icon) was hidden. This occurred during the initialization routine because the internal selection marker was not completely reset before selecting the line; only one of the two necessary values was cleared. We have now corrected this by ensuring both marker values are properly cleared, which allows the bidline to be selected correctly and ensures the "hamburger" menu is displayed as expected.

D-49341-Community - Pairing Filter 'Duty On' Cannot be Updated When Sidebar Was Changed Before

Description

There is an issue with updating the filter 'Duty on' when User changes the sidebar and comes back Pairings page:



and console shows issue related to forEach function:

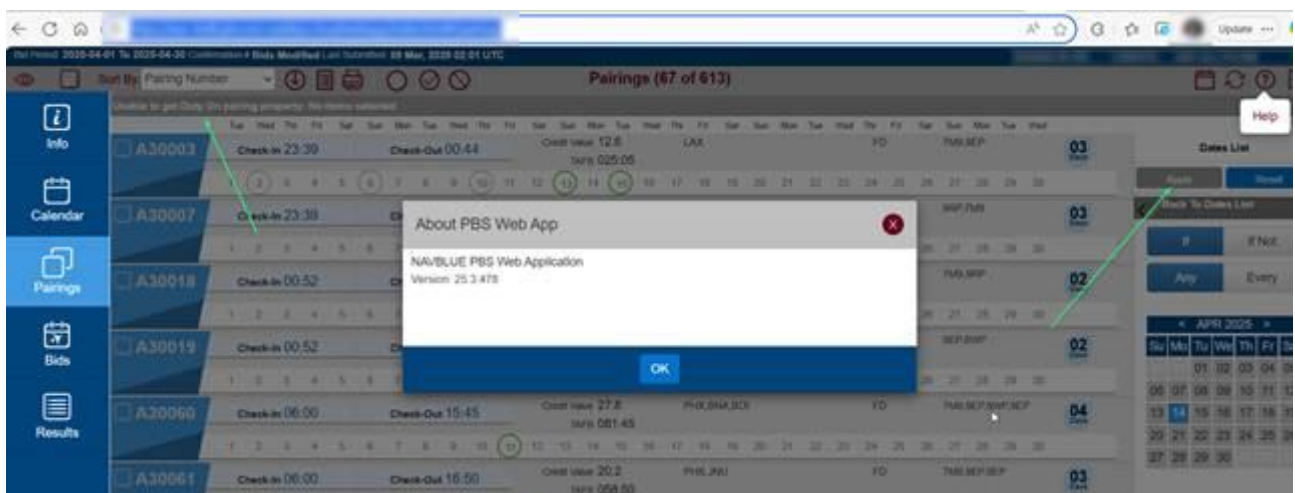
```

Applying the Pairings filter
Searching for pairings with the following properties:
Filter Pairings: If Any Duty On Nov 5, 2024
Deselected all the pairings
Applied the Pairing filter successfully
logobjectstore [1800070] file content updated successfully
Enabled add bid made on the Pairings tab
Selected filter text in the add bid mode on the Pairings tab
Adding AwardPairings bid from the Pairings tab
employee : started getting [person] data from cache
employee : finished getting [person] data from cache
AwardPairings bid was added successfully from the Pairings tab
periodobjectstore [NOV24asa] file content saved successfully
bidset for NOV24 saved to local storage
employee : [person] file content saved successfully
periodobjectstore [NOV24asa] file content saved successfully
logobjectstore [1800070] file content updated successfully
Switched to the Bids tab
userpreference assigned to temporary cache
Selected the bidline [Number: 1, BidGroup: 1] in the [CurrentBid]
userpreference saved to local storage
userpreference [1800070] file content saved successfully
logobjectstore [1800070] file content updated successfully
Switched to the Pairings tab
userpreference assigned to temporary cache
userpreference saved to local storage
Applied the Pairing filter successfully
userpreference [1800070] file content saved successfully
logobjectstore [1800070] file content updated successfully
TypeError: value.FieldValue.forEach is not a function
    at recursivelyLoopAndCreateObject (bidlineservice.js:2383:47)
    at bidlineservice.js:278:45
    at Array.forEach (anonymous)
    at bidlineservice.js:480:21
    at Object.s [as forEach] (angular.js:1342:11)
    at parsePairingProperties (bidlineservice.js:628:25)
    at bidlineservice.js:1157:31
    at Object.s [as forEach] (angular.js:1342:11)
    at d.ParseAndCreateBidLine (bidlineservice.js:1311:25)
    at $scope.bidPrefCallback (naicservicecontroller.js:1178:43)

```

Notice:

Issue exists on Production versions, verified for ASA:



Resolution Details

Resolved a bug where single-date filters were incorrectly converted from an array to a single date object when the filter was reloaded from browser storage. This ensures the filter object is correctly reconstructed, preventing errors upon returning to the page. Single-date filters now reliably persist and load correctly after leaving and returning to the page.

D-48870-Community - The Bid Analyzer is Not Showing Results When Additional Bid Line is Added from the Pairing Tab

Description

We fixed an issue where the Bid Analyzer failed to include newly added bid lines from the Pairing tab in its calculations. Now, any bid line you add from the Pairing tab will be automatically marked and included, ensuring the Analyzer provides complete and accurate results immediately.



Resolution Details

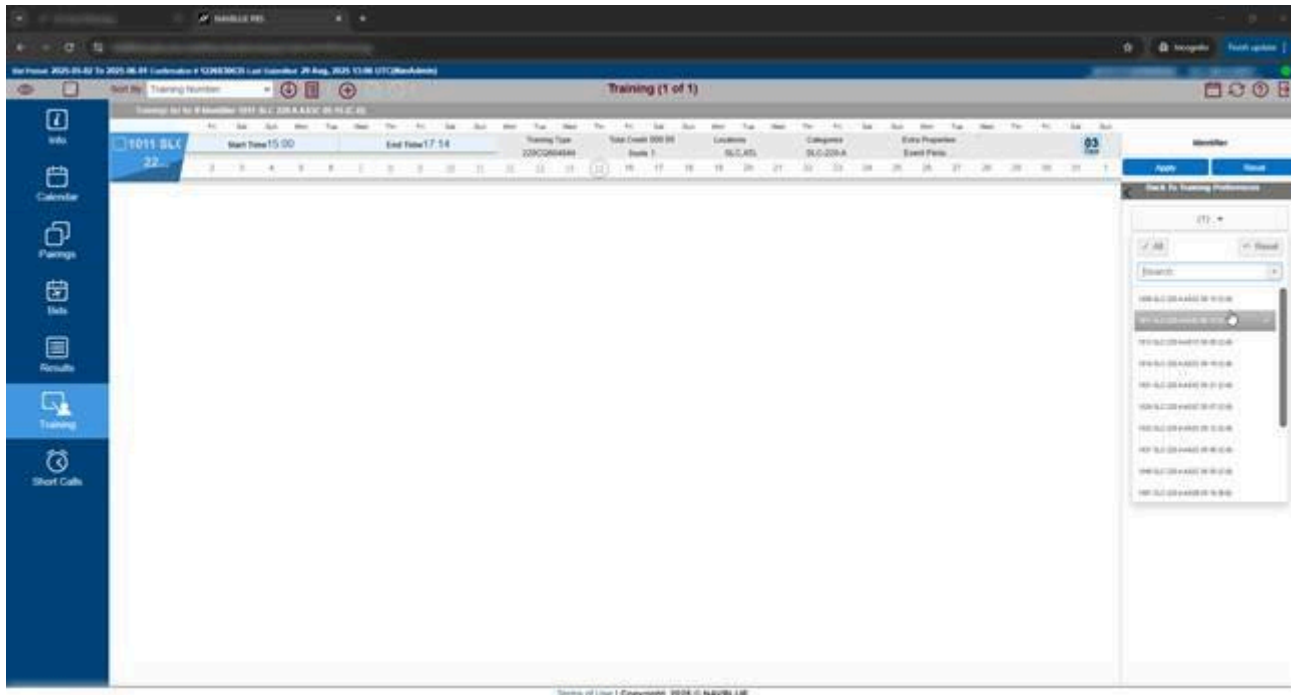
Bid lines added via the **Award/Avoid buttons** in the Pairing tab are now immediately and correctly reflected in the **Bid Analyzer**. We've added proper internal signaling to ensure the Analyzer updates instantly and includes the new line in its calculation (with the checkbox marked).

D-49136-Community -Training - Number of All Trainings is Incorrect When Filter is Used

Description

The number of all trainings is incorrect when filter is used and it is equal to the number of filtered trainings.

Example of selecting 1 training of 15 ones that are available:

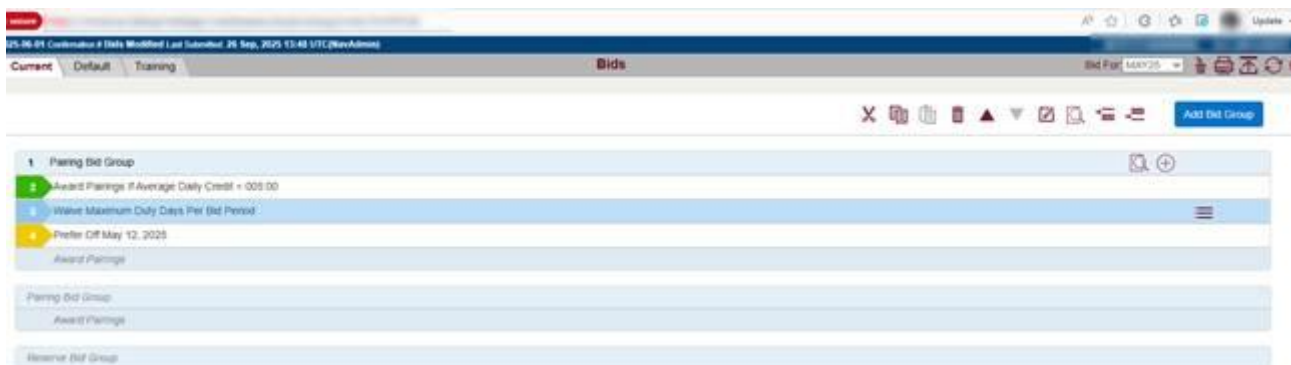


Resolution Details

We've resolved an issue where the displayed total number of training sessions could be incorrect after applying certain filters. The system now updates the count at the correct point in the process, ensuring the displayed total always accurately reflects the sessions currently visible.

D-49407-Community - Waive/Set Condition Bid Line is Not Added on Top When Award is on Top and Prefer Off/Avoid/Award is Next

Waive bid line is not added on top:



Resolution Details

We've resolved an issue that occurred when you were editing or adding **Bid Lines** where an **Award Pairings Bid Line** was the first line listed. The system now correctly accounts for the precedence level of the Award Pairings line, ensuring new and edited bid lines are inserted at the **expected index** (position) in your bid list.

D-48071-Community - Unable to Generate Combined Run Report

Description

Unable to generate a combined run report on customers other than DAL

```
[2025-08-23 10:53:54][PID:139933466876928 ERROR ] [[jbsreporting.CompositeReport] - CompositeReport::ProcessComposite() failed: Could not open report template file "/navtech/reports/asap/ShortCallRunReport.txt"
[2025-08-23 10:53:54][PID:139933466876928 ERROR ] [[jbsreporting.PBSReportGenerator] - Report.Generate() failed
[2025-08-23 10:53:54][PID:139933466876928 ERROR ] [[userInterface.jbsreportinguiPlugin.PBSReportingUISPluginImpl] - Unable to generate the run report. LogPersonId: 77786
(fmwqgwAsapPilot20242Pseuzet1 logs)]
```

It is trying to locate the report template that is only available for DAL

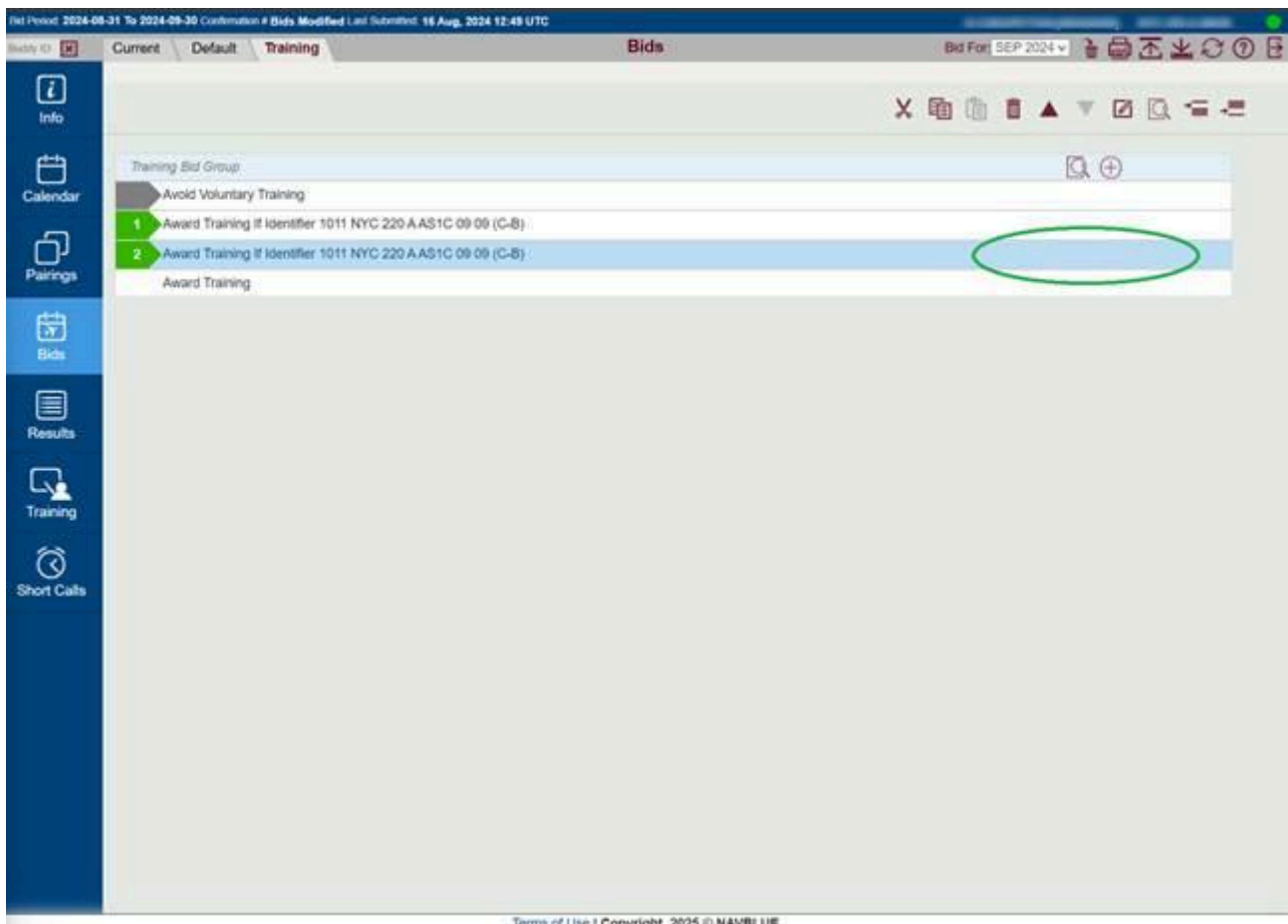
Resolution Details

We've refined the process for generating the combined report. The system will now check to ensure the Short Call feature is enabled for your account before including its data in the report. This prevents potential errors and ensures the generated report is accurate based on your activated features.

D-48137-Community - Menu Icon for Selected Bid Line is Not Displayed (Hamburger Icon)

Description

Menu icon for selected Bid line is not displayed (hamburger icon) after adding a new adding new Bid from Training page.

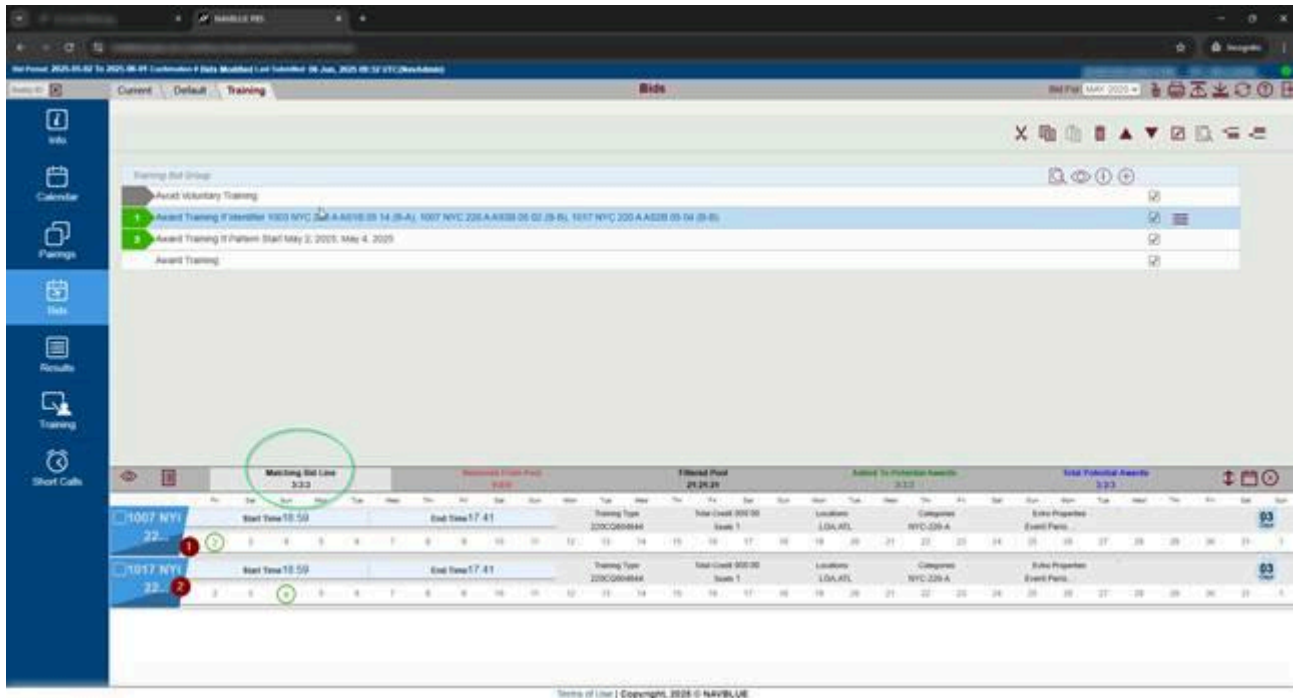


Resolution Details

We resolved an issue that occasionally prevented the **action menu** (the "hamburger" icon) from appearing or remaining visible on a selected line. The menu now displays consistently on the line you select, allowing for quick access to its actions.

D-47904-Community - Analyzer Lists Improper Number of Matching Bid Lines**Description**

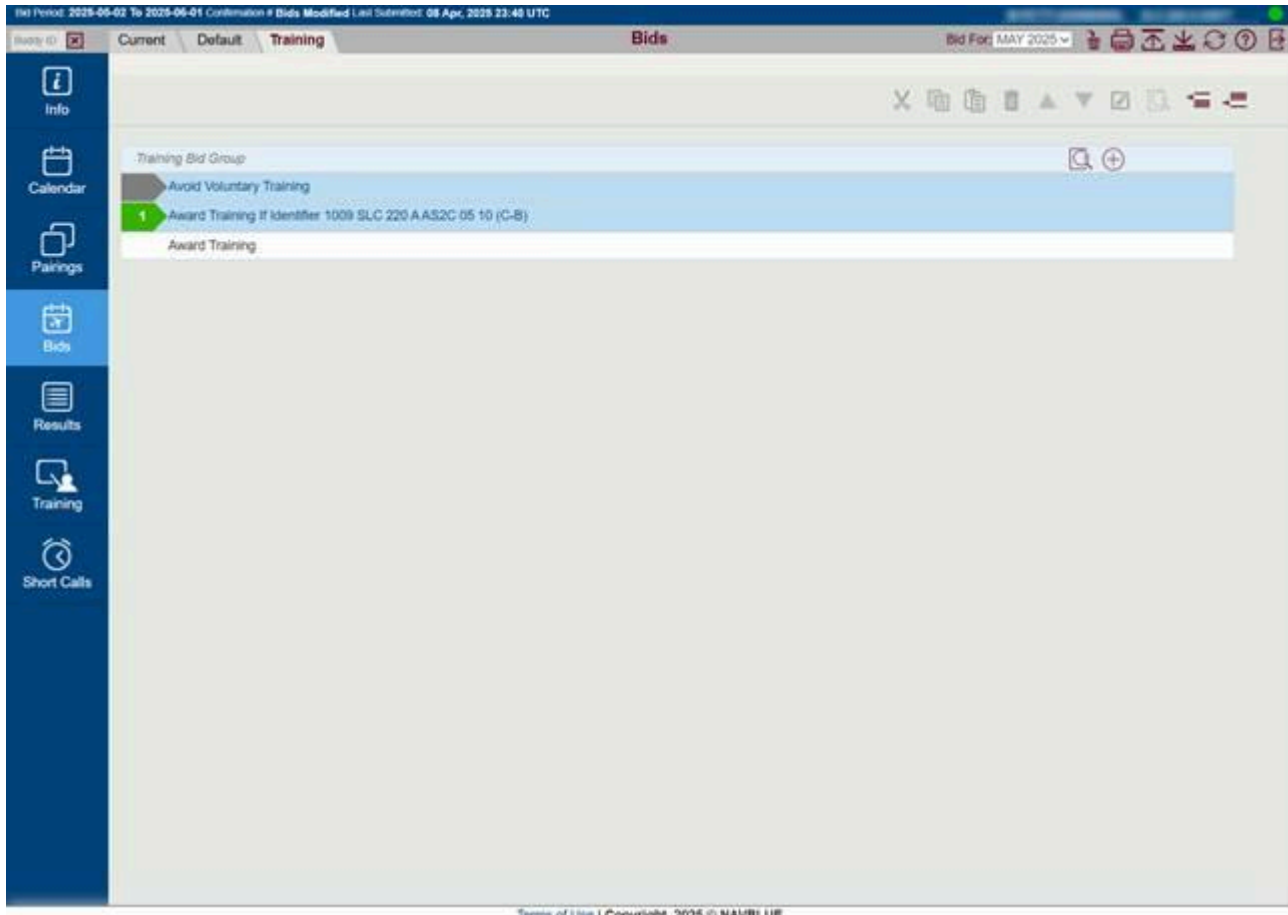
An issue related to creating bid lines in the Bids page after using the Training page. The Analyzer lists an improper number of matching Bid lines.

**Resolution Details**

The training filter settings from the Training page are no longer incorrectly applied to the Bids page and the Trainings tab within the Analyzer. This ensures that the Analyzer provides a complete, unfiltered view of training matches during bid analysis.

D-47884-Community - Analyzer Window Disappears and 2 Training Bid Lines are Selected**Description**

Adding a new Bid line from the Training page, while the Analyzer window is open, causes the Analyzer window to be closed and two Bid lines to be selected in the Training Bid Group.



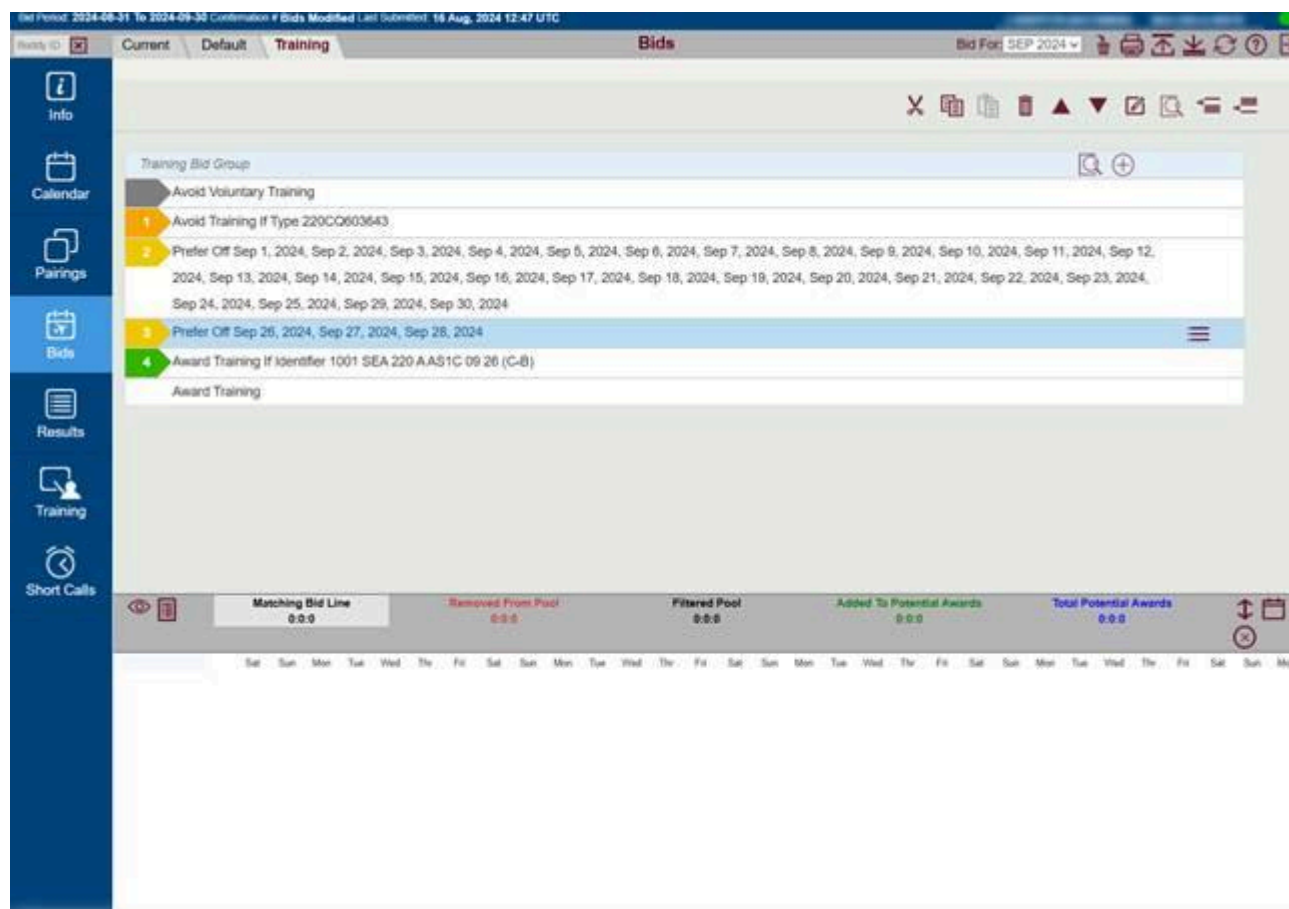
Resolution Details

The system now properly selects bid lines that originate from the **Training page**, resolving an issue where the **Analyzer** would fail to execute due to invalid arguments. The Analyzer now runs successfully with accurate data for these lines.

D-48060-Community - Analyzer Window Doesn't Close and Show Zero Values

Description

Analyzer window doesn't close and show zero values after selecting any another line - values don't refresh until Analyzer window reopen.



Resolution Details

Resolved a bug by changing the variable type used for the selected Bid Group and removing an unnecessary, improperly used function that incorrectly updated the selected line number. This ensures correct tracking and display of the selected line within bid groups.

D-47934 Community - Awarding via Selection is Blocked by Enabled Filter Award Check Box Description

The Award action is blocked when selecting an item from the list in the Pairing, Training, or Short Call (DAL) tabs.

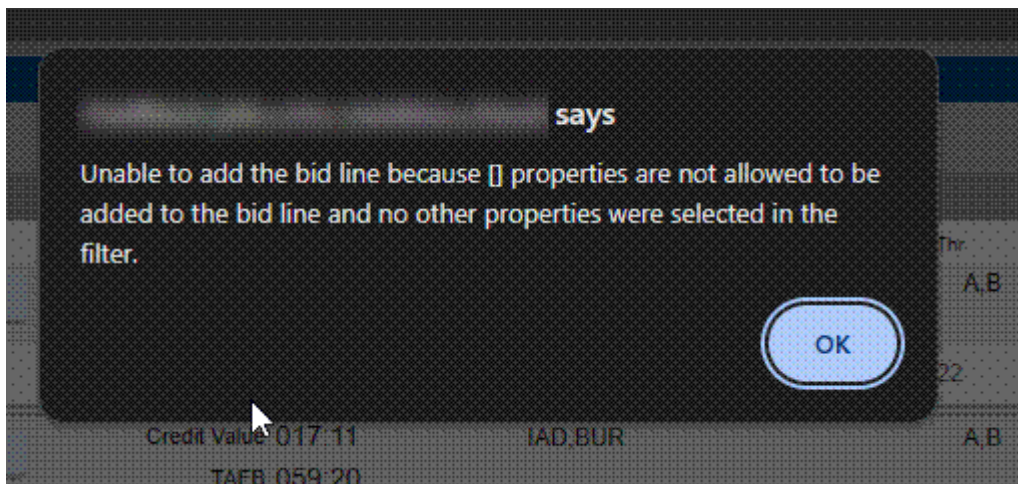
← → ↺ ⚙

Bid Period: 2025-05-02 To 2025-06-01 Confirmation # 1226829109 Last Submitted: 06 Jun, 2025 09:32 UTC(NavAdmin)

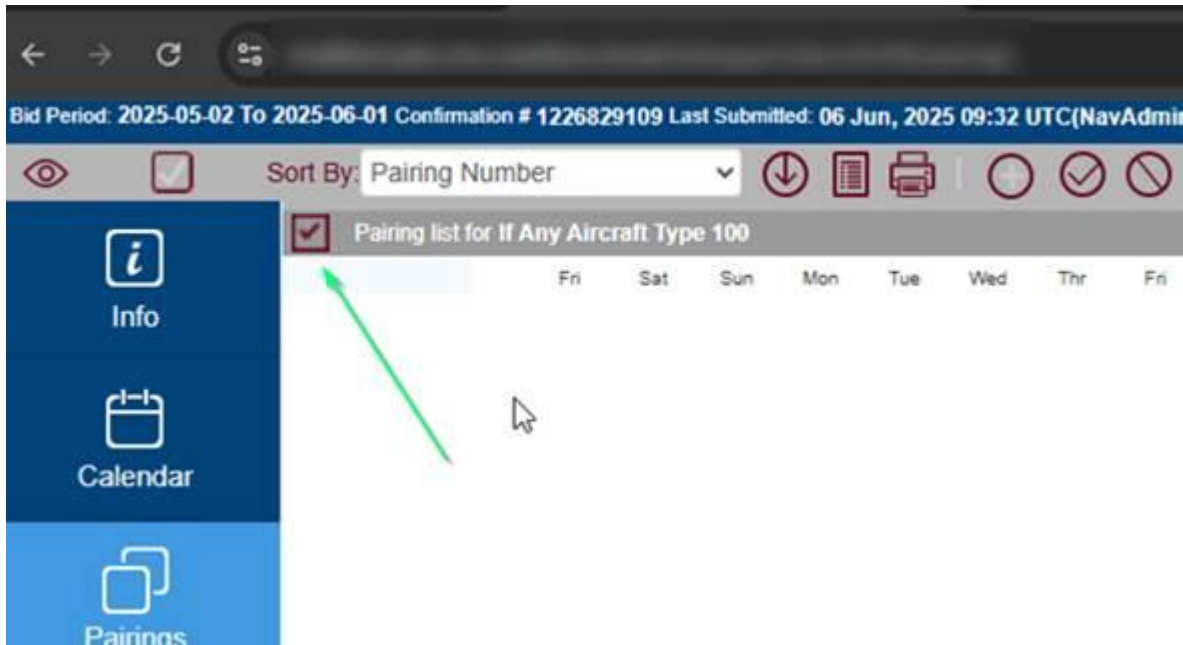
👁️ ☒ Sort By: Pairing Number ⬇️ 📄 🖨️ ⌛ ⌛ 2

	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon
☐ 7652	Check-In 06:59		Check-Out 12:15								
	2	3	4	5	6	7	8	9	10	11	12
☒ 7653 1	Check-In 06:59		Check-Out 18:19								
	2	3	4	5	6	7	8	9	10	11	12
☐ 7654	Check-In 06:59		Check-Out 18:19								
	2	3	4	5	6	7	8	9	10	11	12
☐ 7655	Check-In 11:40		Check-Out 17:26								
	2	3	4	5	6	7	8	9	10	11	12

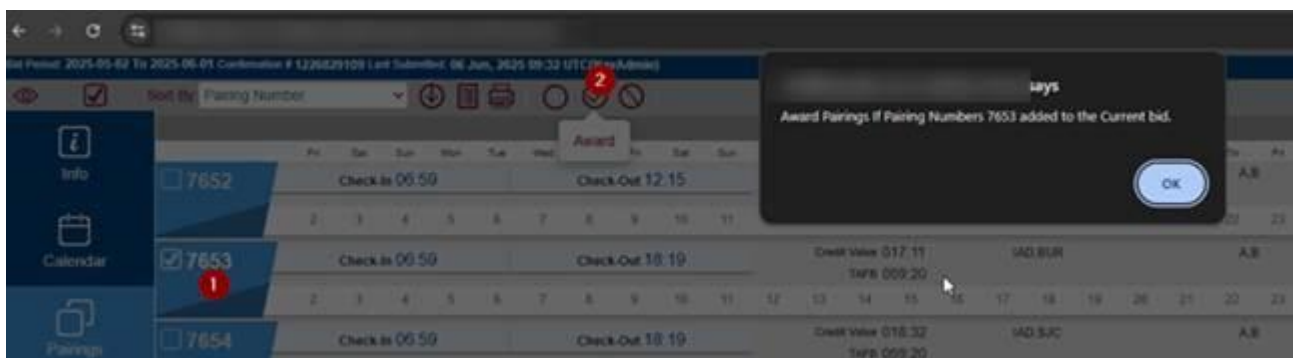
Info
Calendar
Pairings
Bids



It is because there was a filter awarding and the check box is still enabled



When Employee opens again filter adding mode and unclick the box the awarding of selected item (Pairing, Training or Short Call) can be done



Resolution Details

We've enhanced the functionality of filter checkboxes in the Training, Pairing, and Short Call tabs.

- Previously, clicking the Reset button only toggled the filter state.
- Now, clicking Reset properly disables the filters, ensuring they are entirely cleared as expected.

D-48716 Community – Bid Group - Set Condition (Without Set Precedence) Cannot be Inserted Above Prefer Off or Avoid Line

Description

We've enabled the ability to directly insert Set Conditions (without precedence) immediately above Prefer Off or Avoid lines within Bid Groups. This new insertion method aligns with the behavior of the existing Up/Down arrow movement feature.

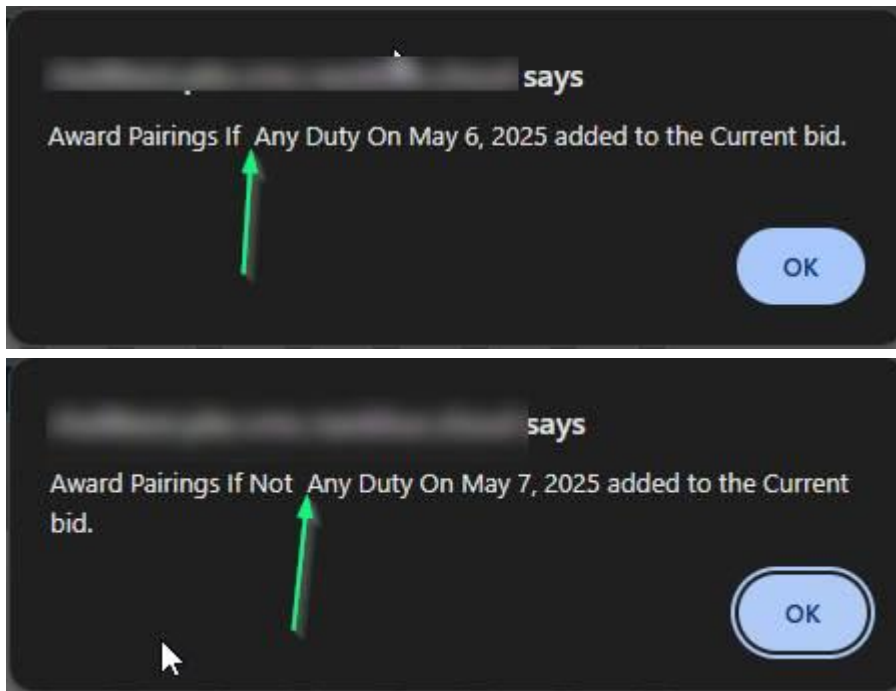
Resolution Details

We've improved the logic for determining where a new bid line should be inserted. The system now correctly checks the index (position) of Prefer Off and Avoid bid lines—while respecting the

placement of any preceding Set Conditions to ensure new lines are always inserted at the expected and correct position.

D-47835 Community – Double Space in IF/IF NOT and ANY/EVERY Filter Name Displayed on the Pop-up Description

When the filter is created with IF/IF NOT ANY/EVERY, there are two spaces in message displayed:



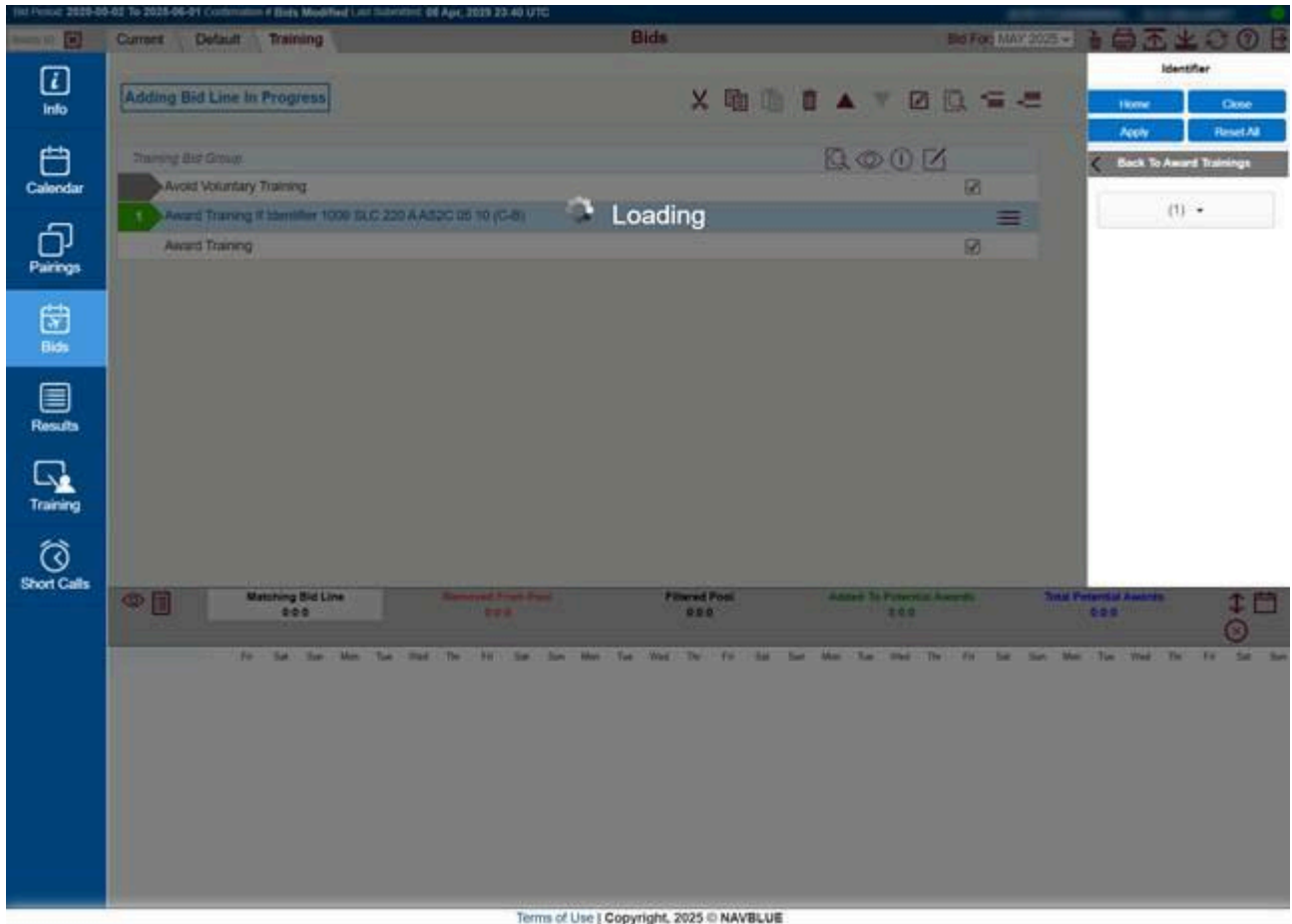
Resolution Details

Refined the underlying text formatting logic, resolving instances where unnecessary double spaces were generated.

D-47899 Community - Infinite Loading Icon After Adding New Bid Line with Open Analyzer Description

An issue that caused the application to freeze (showing an infinite loading icon) when a new Bid line was added while the Analyzer window was open but no lines were selected for analysis.

Benefit: Users no longer need to refresh the page after this specific action.



Resolution Details

Resolved Application Freezing: We fixed a bug in the bid controller logic that was causing the application to become completely unresponsive during specific bid operations, due to the application not returning a specific value.

D-48628 Community - Mismatch with Forget Line Bid Between Admin UI and Web App Description

Improved Bid Line Accuracy: Fixed an issue where the Forget Line value could display differently in the Admin UI compared to the web application. This ensures consistent and accurate referencing when using multiple bid groups.

Applies to: Users working with complex bid structures and the Forget Line feature.

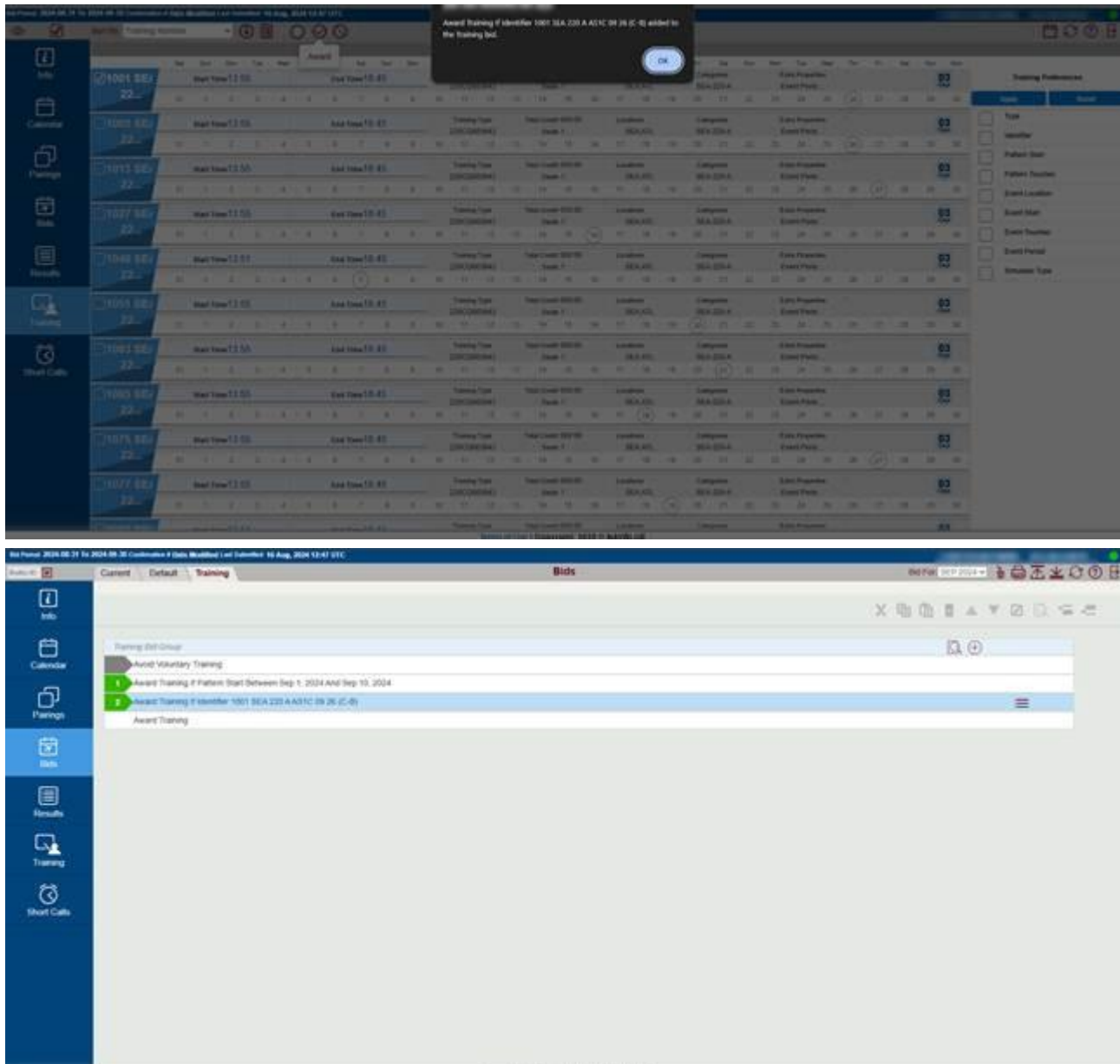
Resolution Details

We refined the workflow for modifying and generating bid lines to prevent data conflicts and maintain the correct sequencing of "Forget" and "Redo" actions, ensuring consistent results.

D-47836 Community - New Bid Line Added from Training Page is Selected but Menu Options are Disabled

Description

New Bid line added from Training page is selected but menu options are disabled



Resolution Details

When adding a new Bid from the Training page, the application now correctly updates the selected bid line number, ensuring a smooth and accurate flow as you continue your work.

D-48534 Community – Ordering Problems Related to Bid Lines

Description

This release includes several crucial fixes related to the ordering, insertion, and deletion of bid lines, particularly within the Training page and complex Bid Group scenarios.

We have addressed several issues to ensure bid line creation and manipulation behave consistently and correctly:

- **Fixed Application Instability:** Addressed the core problems originally covered by D-48125, D-48462, and D-48538, resolving various inconsistencies in bid line ordering and processing.
- **Corrected Bid Insertion Logic:** The following scenarios, which previously resulted in incorrect line placement, have been fixed and now function as expected:

- Using "Insert Above" on the first line (such as an Avoid or Prefer Off line) now correctly places the newly inserted line (e.g., Award, Prefer Off) in the position above the selected line.
- Set Condition lines now insert and paste in the correct relative position when interacting with Award and Avoid lines (e.g., using "Insert Above" or "Insert Below").
- Corrected the issue where certain Set Condition lines (like Maximum Days On In Row) could only be cut-and-pasted but not moved using the arrow-down function below an Award line.
- Prevented Deletion of System-Generated Lines: The system-generated "Award Training" line on the Training tab can no longer be accidentally deleted, which previously prevented the submission of bid lines.

Known Issues (Affecting Reserve Bid Groups)

The following issues related to Bid Group ordering remain and are under review. These inconsistencies are present in the current UAT environment and are not a regression caused by the recent code changes:

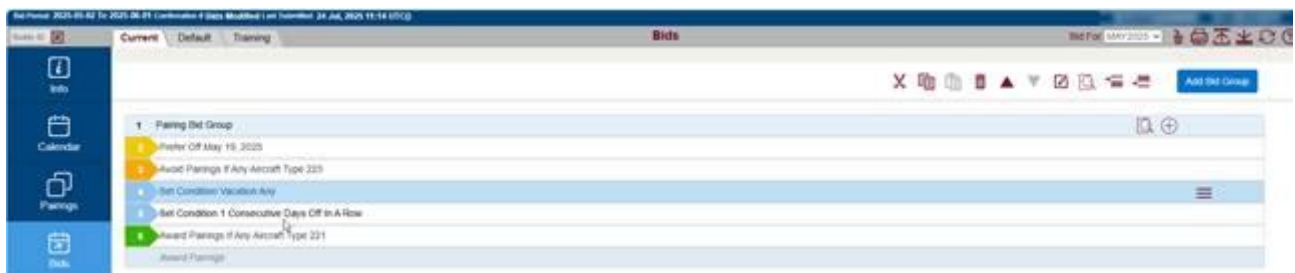
- Insertion Below Set Condition: In a Reserve Bid Group, Prefer Off or Award Reserve lines cannot be inserted above a Set Condition line when it is the first line in the group using the "Insert Above" button (though moving with the Arrow Up function is still possible).
- Incorrect Paste Location: When cutting and pasting a Set Condition line at the end of a Reserve Bid Group, it may incorrectly place the line after an existing Prefer Off line, or occasionally over a "short call" line, rather than at the very end.
- Prefer Off Jumps to Top: When adding a new Prefer Off Bid Line (especially after adding Award and Avoid bids), the new line incorrectly jumps to the top of the list instead of being added to the end.

Resolution Details

Enhanced Bid Line Ordering: We implemented changes to properly respect Bid Line Precedence during all common operations (adding, deleting, and copy/pasting). This ensures that bid lines are always kept in the correct, required order, even when working with special lines like Short Call. Your bid groups will remain structurally correct and valid without manual reordering.

D-49155 Community - Pairing Bid group - Positioning Set Condition with Set Precedence (Goes on Top) is Related to Presence of Set Condition without Set Precedence Description

Corrected Set Condition Placement in Pairing Bid Groups: When adding a new Set Condition line with set precedence (e.g., Vacation Any) to a Pairing Bid Group, the line is now correctly inserted according to its precedence rules. This prevents it from incorrectly being placed over a lower-precedence Set Condition line that lacks explicit precedence settings. Ensures that high-precedence conditions are always ordered correctly in your bids.



A similar situation takes place when editing the line (Set Condition, Wave, Prefer Off, Avoid or Award) and we make it Set Condition with set precedence. Then line is added next to to Set condition without set precedence:

8	Pairing Bid Group
9	Avoid Pairings If Any Aircraft Type 100
10	Set Condition Vacation Any
11	Set Condition 1 Consecutive Days Off In A Row
Award Pairings	

Resolution Details

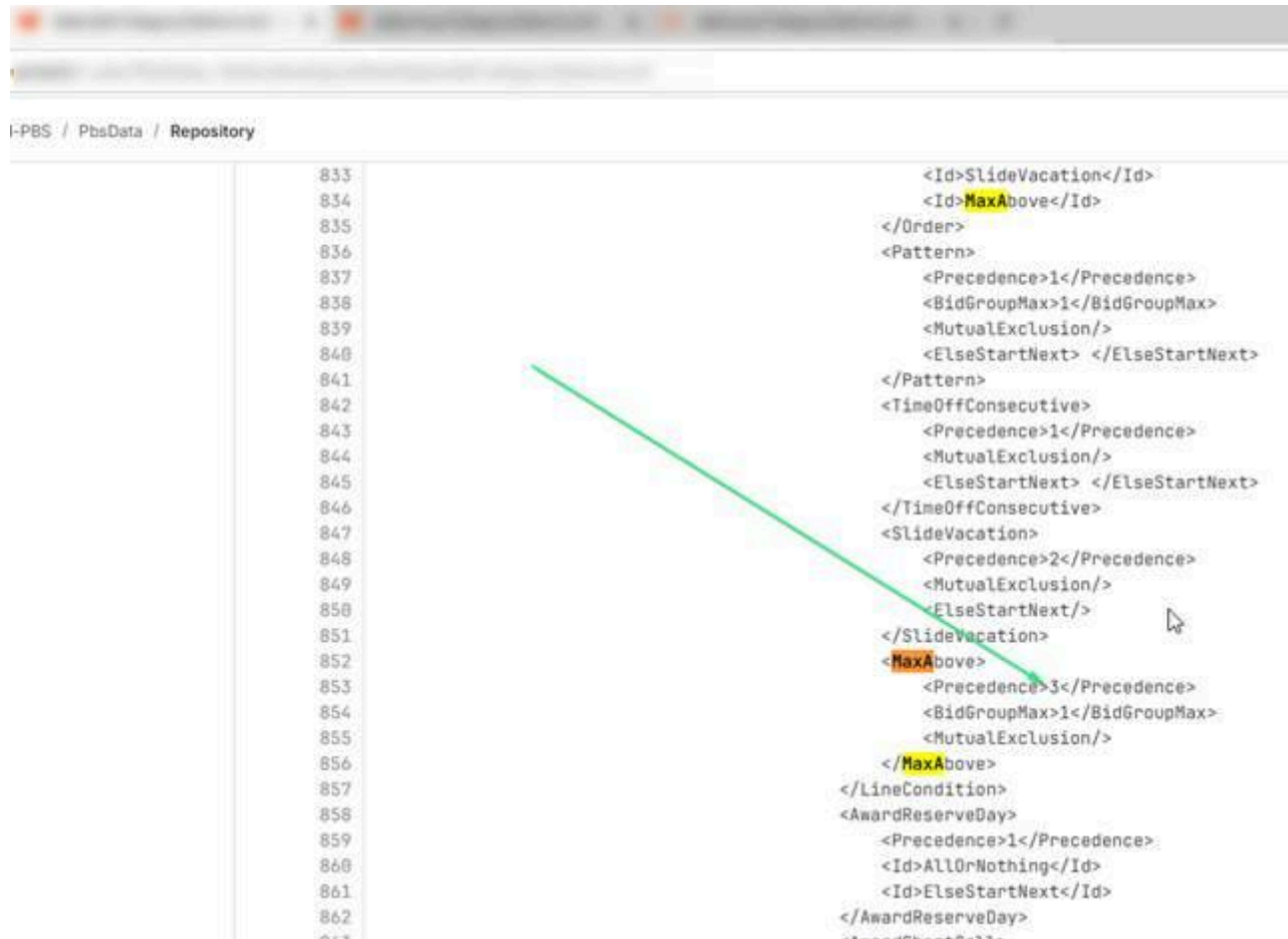
The solution was to add 0 (FALSE) precedence level for Bid lines that don't have it: Prefer Off and Avoid Pairings.

D-48728 Community - Reserve Bid Group - Prefer Off Line Can Be Inserted Above Set Condition with Precedence 2 (Forced to Extreme Top)

Description

We confirmed and ensured that high-precedence Set Condition lines, such as "Max Above" (Precedence 2), correctly maintain their top position in a Reserve Bid Group, even when a new Prefer Off line is inserted above them. Guarantees that your critical, high-priority conditions are not accidentally displaced by other bid lines.

Max Above	
B	C
	M
	DAL
RESERVE CONFIG SET NAMES	
A Options B Options	
	WithUDO - RGA ONLY
LINE CONDITIONS	
	Max Above - Only available in Concurrent Reserve - Must have BidGroupMax 1 - Must have Precedence 2 (forced to extreme top)
	Pattern
	YES



Resolution Details

The system now correctly evaluates the precedence of all existing lines before determining the insertion point for a new line.

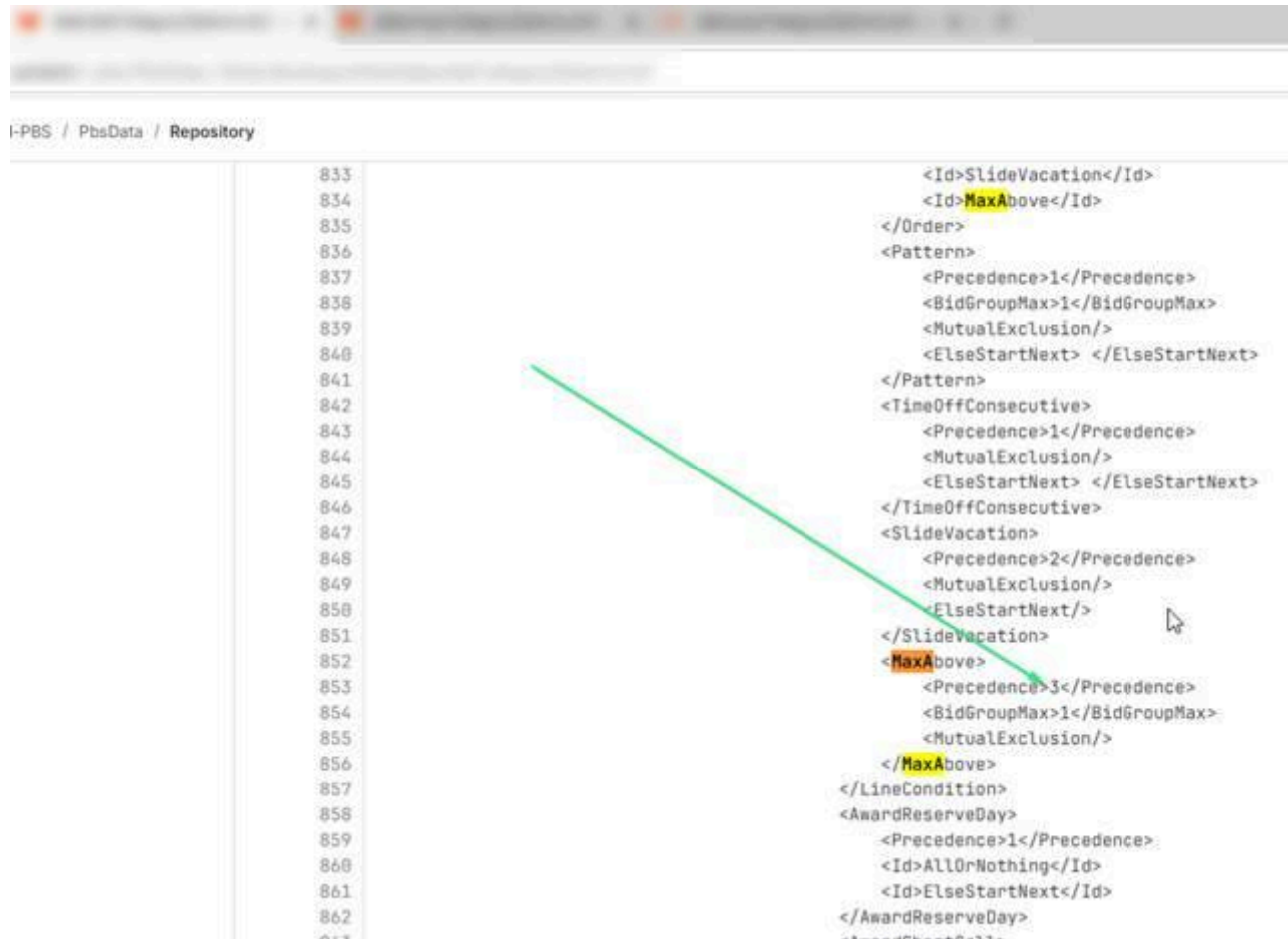
D-48670 Community - Reserve Bid Group - Set Condition "Max Above" with Precedence 2 (Forced to Extreme Top) is Not Added on To When Prefer Off is First Line

Description

The Set Condition "Max Above" with precedence 2 (forced to extreme top) is not added on top when Prefer Off is first line. It can be moved to the top and then arrows are blocked and it can not move down and Prefer Off can not be moved back over this Set Condition.

Max Above			
	B	C	M
			DAL
ERVE CONFIG SET NAMES			A Options B Options
		WithUDO - RGA ONLY	
		LINE CONDITIONS	
		Max Above - Only available in Concurrent Reserve - Must have BidGroupMax 1 - Must have Precedence 2 (forced to extreme top)	YES
		Pattern	

Please remember that Set Conditions for different ALC may have different precedence and behaviour. If any doubts - check the logic in the code with dev.
 In case of DAL, the precedence value was updated to 3.



Resolution Details

Refined the logic for placing newly inserted or pasted bid lines. The system now prioritizes a line's set precedence (e.g., for Set Conditions) over other criteria, ensuring it is placed at the highest appropriate position and not incorrectly below lower-precedence lines.

D-48672Community - Reserve Bid Group - Set Condition without Set Precedence is Going on the Bottom of the Reserve Bid Group

Description

Set Condition without set precedence is going on the bottom of the Reserve Bid Group with Award Reserve lines (that also does not have set precedence - to be confirmed!)

Based on configuration file Consecutive Days Off In a Row does not have set precedence:

	DAL
	A Options B Options
SET NAMES	
WithUDO - RGA ONLY	
CONDITIONS	
Max Above - Only available in Concurrent Reserve - Must have BidGroupMax 1 - Must have Precedence 2 (forced to extreme top)	YES
Pattern - BidGroupMax 1 - Else Start Next Bid Group	YES
Minimum Days Off - BidGroupMax 1 - Else Start Next Bid Group	
Maximum Days On - BidGroupMax 1 - Else Start Next Bid Group	
Consecutive Days Off In A Row (config name "TimeOffConsecutive") - Else Start Next Bid Group	YES

Resolution Details

Consistent Placement Logic: Ensured that when multiple bid lines share the same precedence, the location for a new line is accurately determined by the user's action (Insert Above/Below) and the line currently selected.

D-48661 Community - Reserve Bid Group Lines Ordering Issues

Description

Improved Reserve Bid Group Ordering: We have reimplemented and fixed the ordering logic for lines within Reserve Bid Groups to ensure predictable and correct placement. This addresses several key issues:

- **Insertion Consistency:** You can now successfully insert Prefer Off or Award Reserve lines above a Set Condition placed as the first line in the group.
- **Correct Paste Location:** Set Condition lines (without set precedence) now paste correctly after the last line in the group, rather than incorrectly positioning themselves under an existing Prefer Off line.

Resolution Details

Ensured that bid line insertion respects user intent, allowing "Insert Above" for same-precedence lines. We also corrected the default behavior so that new lines without set precedence are consistently added to the end of the group.

D-48305 Community - Running Out of DB Connections on Shared Servers**Description**

Database Connection Efficiency: We have optimized the application's internal database connection pooling mechanism. The maximum pool size, which was previously capped at 1000 connections per application instance per ALC, has been reduced and made configurable. This change eliminates the high volume of unused, sleeping database connections, leading to better server resource management and improved system stability.

Resolution Details

Building on our recent connection pooling optimizations, we have introduced a new configuration parameter to give system administrators fine-grained control over resource allocation:

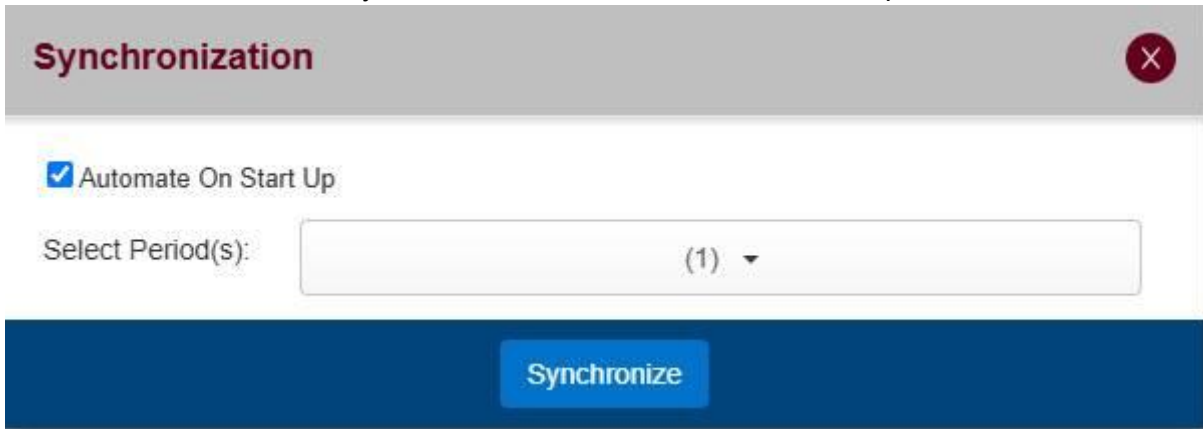
- New Parameter MAX_DB_CONN: A new configuration parameter has been added to the system's NAVNWSParams.xml file.
- Controlling Connection Pool Size: This parameter allows administrators to set the maximum size of the database connection pool, ensuring resources are optimally managed.
- Flexible Configuration: This limit can be configured either globally across the system or tailored per crew base (ALC) to meet specific operational needs.
 - Note: The default value remains 1000 if this parameter is not explicitly set.

This change provides system administrators with the necessary tool to tune the application environment for maximum stability and resource efficiency.

D-47528 Community - The "Automate On Startup" Checkbox Has Been Checked Once Cannot Be Unchecked and Saved**Description**

Fixed "Automate On Startup" Saving Issue: Resolved a bug affecting the ACA and DAL crew bases where the "Automate On Startup" checkbox could not be permanently unchecked. The system now correctly saves the unchecked status when you modify this setting.

Benefit: You can now reliably enable or disable the automated startup behavior as needed.

**Resolution Details**

Updated the application so that user preferences are now sent to the server and saved right away, eliminating the previous requirement to click "Logout" to save certain changes.

D-48878 Community - The Edited Bid Line Does Not Retain Its Precedence - From Award to Set Condition With Set Precedence or Short Call**Description**

Corrected Precedence After Editing: Fixed an issue in the Pairing Bid Group where editing an Award Bid Line and changing it to a line with higher precedence (like a Set Condition Bid Line)

would cause the line to remain in its old position. Edited lines now immediately move to the correct location based on their new, updated precedence.

Short Call Handling Fix (DAL): Also resolved an issue for DAL where Short Call lines, when created or updated by editing an Award Bid Line, were not correctly moved to the bottom of the bid group.

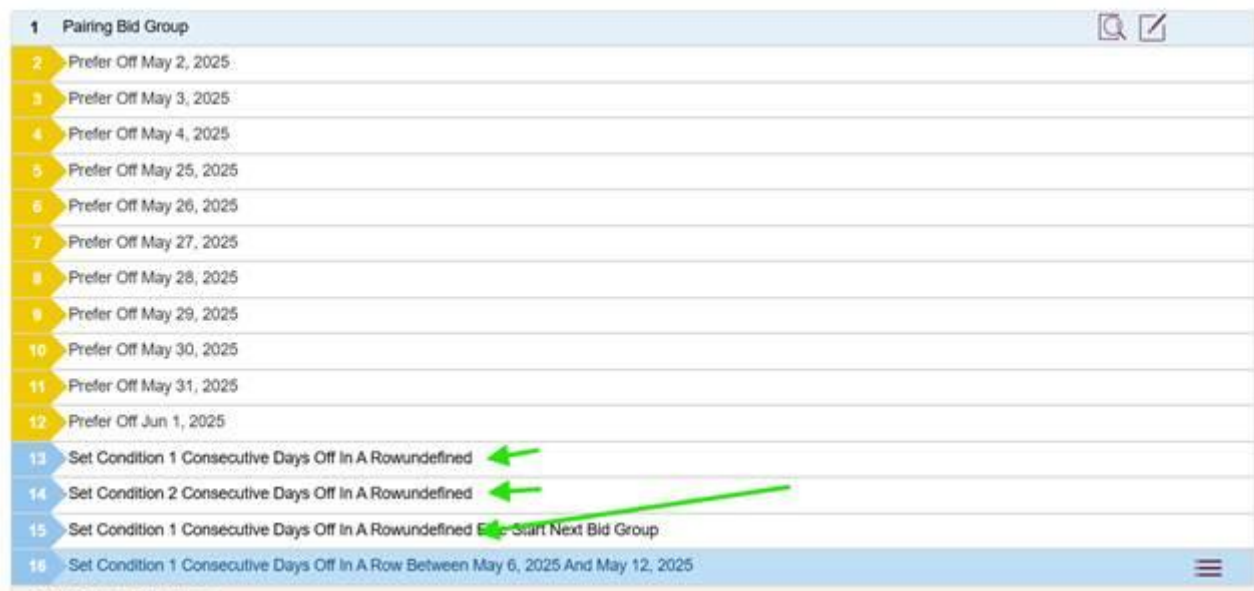
Resolution Details

Fixed a bug where editing a bid line to change its type or precedence did not automatically update its position. The line now correctly validates its new required position and moves accordingly.

D-48669 Community - When 'Set Condition Consecutive Days Off in a Row' Is Added With Undefined

Description

When the 'Set Condition' with 'Consecutive Days Off in a Row' is added without selecting 'Date Range', the bidline is displayed with undefined.



Line Number	Bid Line Text
1	Pairing Bid Group
2	Prefer Off May 2, 2025
3	Prefer Off May 3, 2025
4	Prefer Off May 4, 2025
5	Prefer Off May 25, 2025
6	Prefer Off May 26, 2025
7	Prefer Off May 27, 2025
8	Prefer Off May 28, 2025
9	Prefer Off May 29, 2025
10	Prefer Off May 30, 2025
11	Prefer Off May 31, 2025
12	Prefer Off Jun 1, 2025
13	Set Condition 1 Consecutive Days Off In A Rowundefined
14	Set Condition 2 Consecutive Days Off In A Rowundefined
15	Set Condition 1 Consecutive Days Off In A Rowundefined
16	Set Condition 1 Consecutive Days Off In A Row Between May 6, 2025 And May 12, 2025

Resolution Details

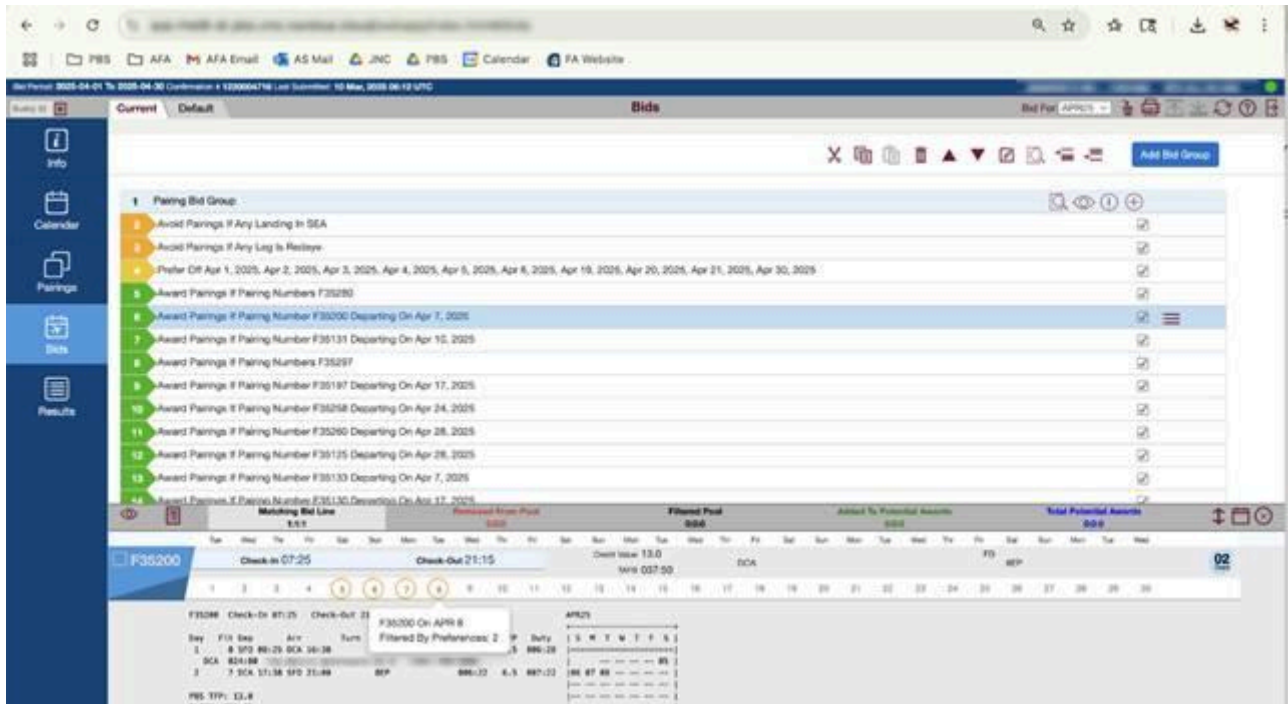
Resolved a display bug where certain bid lines would show the text "undefined" instead of a blank space or the correct condition.

D-48025 Community - Bid Analyzer Filtering Out Things Due to Specific Lines That Do Not Match the Criteria

Description

Bid Analyzer filtering incorrectly.

This correctly shows the matched pairings but shows them as filtered out because of line 2 of landing in SEA, but the pairing clearly shows it does not land in SEA.

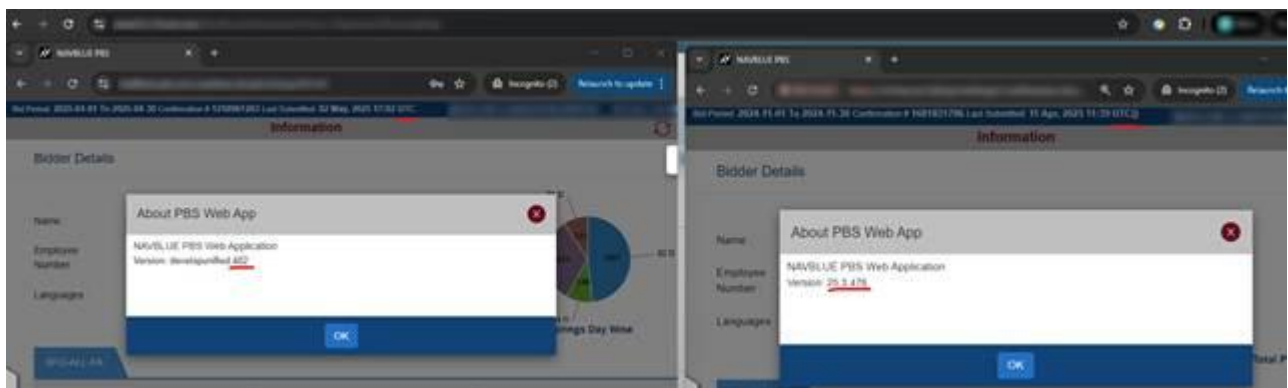


Resolution Details

Fixed an issue where using filters with exact matches (like "Exactly =") or filters without comparison options (like Redeyes or Landings In) could produce incorrect results. Filters now compare values reliably and accurately without misinterpreting the data.

D-48733 Community - 25.3.2 / 25.5 Empty Brackets Are Displayed After UTC on the Webapp Description

Version is not showing upon pop up



Resolution Details

Resolved a bug that caused issues when retrieving bid set data if the bid was system-generated and lacked an entry in the "Submitted By" field.

D-48255 Community - Bid Replacement Message Doesn't Show After Canceling for the First Time and Resync Description

Resolved an issue where clicking "Cancel" on the "Replace Bid" pop-up during a synchronization attempt (after updating and submitting a bid) would incorrectly prevent the pop-up from

reappearing on subsequent sync attempts. Benefit: You will now be correctly prompted to confirm or cancel the bid replacement every time you initiate a sync.

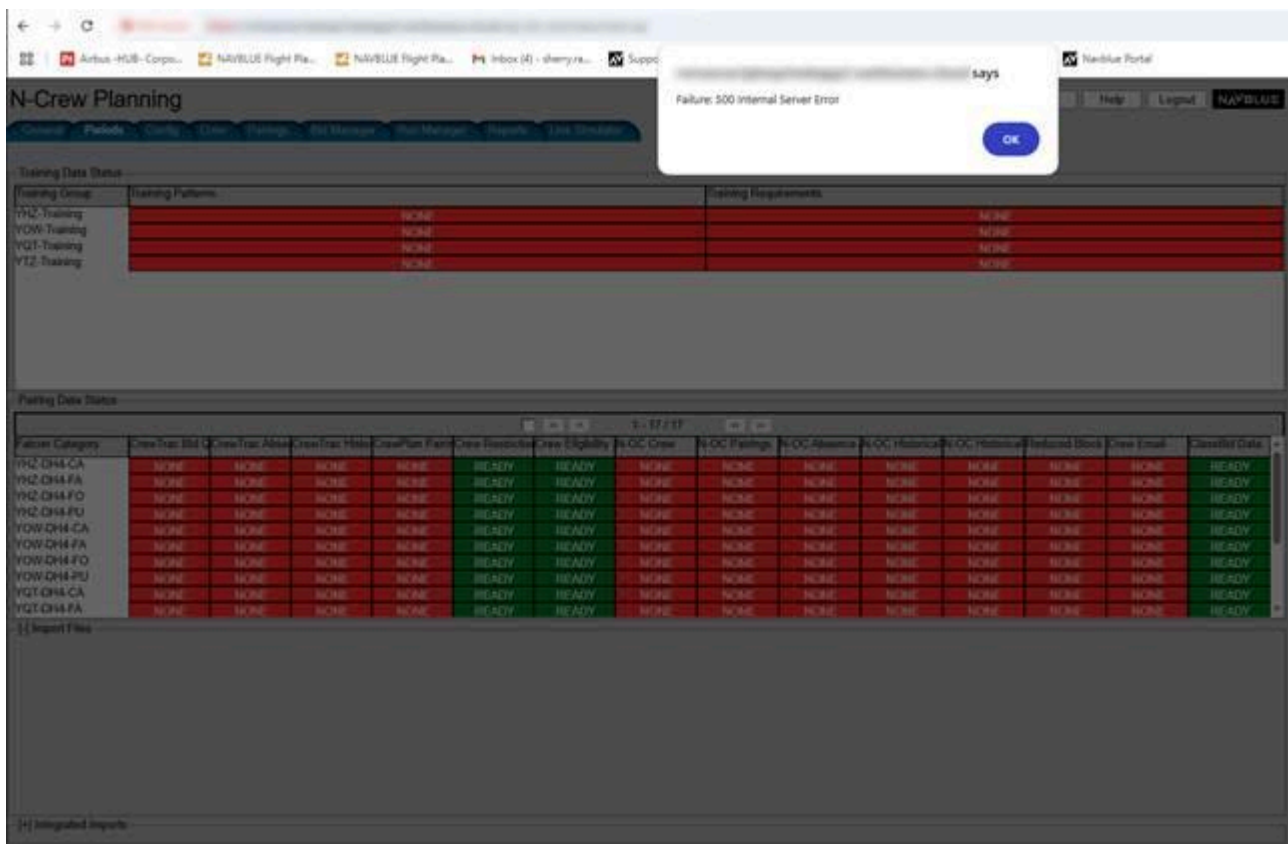
Resolution Details

Ensured that the logic for "Cancel" in the bid replacement prompt is correctly implemented, providing users with the intended control over the synchronization process.

D-48074 Community - '500 Internal Server Error' Appears and It Causes PBS Application Not Workable When the User Selects the Importing File With Inappropriate Format

Description

When the user selects an inappropriate format of importing file- The '500 Internal Server error' keeps displaying and it causes the PBS application not to work, unless the server restarts.



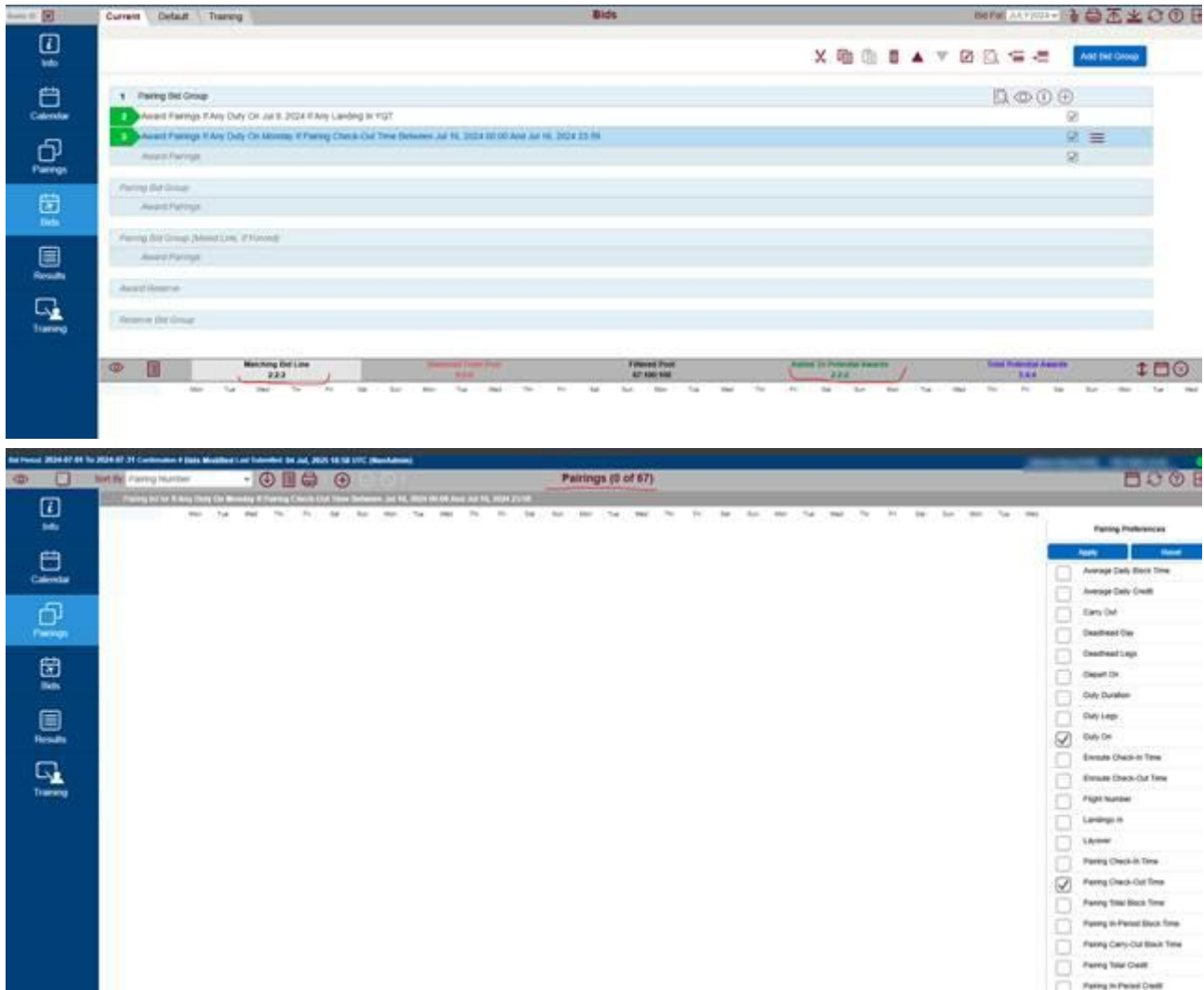
Resolution Details

Implemented stronger internal safeguards to prevent application crashes caused by accessing invalid memory locations (array out-of-bounds errors).

D-48237 Community- Bid Analyzer Table Does Not Display Returned Pairings, also Previous Filtered Pairings are Empty in Pairings Tab-When Toggling Between Bids Tab and Pairings Tab

Description

When toggling between Bids tab and Pairings tab-Bid analyzer table does not display returned pairings, also previous filtered pairings are empty in Pairings tab. For example:



Resolution Details

We've delivered two key fixes to ensure filters and analysis tools work exactly as expected, providing you with more precise results in Pairings, Training, and Bids.

Date Range Filter Accuracy Fixed: Resolved an issue in the Pairings, Training, and Short Call tabs where the time component of the date range filter was lost when switching between tabs. Previously, a range like "01/01/2025 0:00 to 01/01/2025 23:59" would incorrectly shrink to "01/01/2025 0:00 to 01/01/2025 0:00," causing most pairings to be incorrectly filtered out. The full time range is now correctly retained and applied.

Analyzer Filter Isolation: The Analyzer tool in the Bids tab no longer incorrectly uses the same date range filter logic as the Pairings tab, ensuring its internal analysis functions independently and accurately.

D-48857 Community- Webapp and AdminUI Hangs When Specific Steps Are Performed

Description

Web app and AdminUI hangs while specific steps are performed.

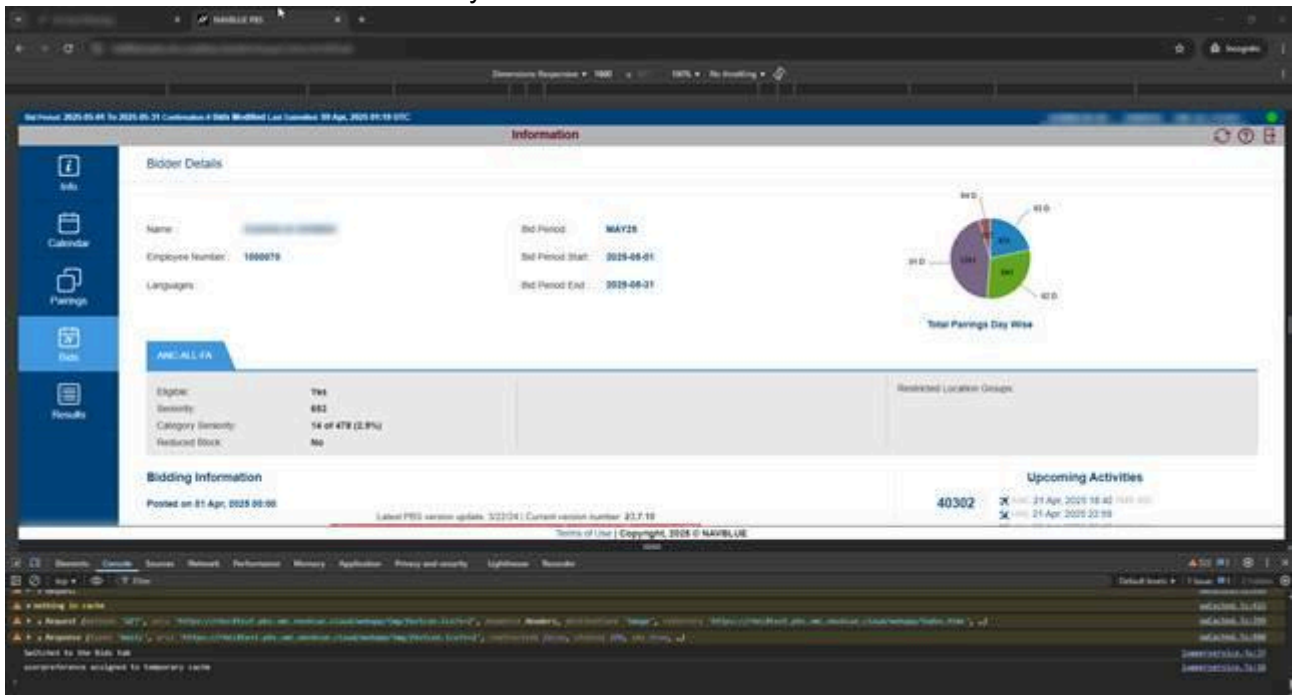
We jump from AdminUI to Webapp and we have two tabs opened / or we log directly to Webapp

Then when we go to Bids and create the empty Bid group and delete it.

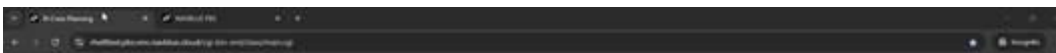
Then we jump to the Info page and we want to come back to the Bids page where the whole browser hangs. We still see the Info page.

We are not able to click anything nor on Webapp neither on Admin UI (in case we jump from Admin UI)

Devtools Console does not show any error:



after some time AdminUI tab is blank:



Resolution Details

Resolved a critical stability issue where returning to the Bids page, especially after deleting a bid group, could cause the application to enter an infinite loop of searching for a non-existent selected group, resulting in an unresponsive screen. The application now correctly unsets the selection and prevents this loop from occurring.

D-46590 Community- AdminUI - LogoutUrl in Localstorage Is Not Clean Up During Disconnecting from SSO

Description

Ensured that session data (LogoutUrl) is correctly cleared after an SSO session in the AdminUI, preventing incorrect display issues during subsequent logouts in normal mode.

Resolution Details

We fixed an issue that could cause a sensitive internal token to be displayed on the screen during logout in the AdminUI, particularly when switching between SSO (Single Sign-On) and standard login modes. The server no longer uses the affected parameter for error messaging, ensuring a clean and secure logout experience.

D-48250 Community- Not Correctly Displaying Pairing That Checks In on One Date but Departs on Another (Analyzer & Bids Tab)

Description

In Pairings Tab:

Select Depart on April 7

Select check in after 2300 on April 7

Apply

This should Not Produce a result.

☒ Pairing list for If Departing On Apr 7, 2025 If Pairing Check-In Time Between Apr 7, 2025 23:00 And Apr 7, 2025 23:59

	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Mon	Tue	Wed	Thur	Fri	
☐ A30006			Check-In 23:39				Check-Out 00:44				Credit Value 12.6				LAX											
											TAFB 025:05															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
☐ A40006			Check-In 23:39				Check-Out 00:44				Credit Value 12.6				LAX										FA	
											TAFB 025:05															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		

Dates List

< APR 2025 >

Su	Mo	Tu	We	Th	Fr	Sa
00	01	02	03	04	05	
06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	01	02	03

In Pairings Tab:

Select Depart on April 8

Select check in after 2300 on April 7

Apply

This should produce a result.

The screenshot shows the NAVBLUE pairing interface. At the top, it displays the bid period: 2025-04-01 To 2025-04-30, Confirmation # Bids Modified, and Last Submitted: 10 Mar, 2025 06:09 UTC. Below this, there are icons for sorting, filtering, and other actions. The main section is titled "Pairings (0 of 613)". A filter is applied: "Pairing list for If Departing On Apr 8, 2025 If Pairing Check-In Time Between Apr 7, 2025 23:00 And Apr 7, 2025 23:59". On the right, there is a "Dates List" section with "Apply" and "Reset" buttons. Below that is a "Back To Depart On" section with "If" and "If Not" buttons. At the bottom right, there is a calendar for April 2025, with the 8th highlighted.

Resolution Details

Fixed a subtle calculation error that could sometimes cause the effective date of a pairing (or other time-sensitive data) to be calculated incorrectly twice. This ensures that pairings whose check-in and departure times span midnight are now assigned the correct effective date and are not accidentally shifted by an extra day.

D-47475 Community - Pairing Filter add Bids Mode - Duty On> Time>Select Range - Award Button Does Not Work

Description

Duty On > Time > Range - cannot click "award" to bid

When trying to add "all" of the pairings within the chosen preference or even adding a selected few, neither option will allow you to click on the "award" to add it to your bid

Pairings (325 of 437)

Pairing Number	Check-In	Check-Out	Draft Time	Aircraft	Time
F35000	Check-In 05:00	Check-Out 12:41	Draft Time 20:0	B747-400	03
F35001	Check-In 05:00	Check-Out 22:01	Draft Time 18:7	A320	02
F35002	Check-In 05:00	Check-Out 12:41	Draft Time 17:8	A320	03
F35003	Check-In 05:00	Check-Out 22:28	Draft Time 20:2	A320	04
F35004	Check-In 05:00	Check-Out 11:44	Draft Time 4:2	A320	01
F35005	Check-In 05:00	Check-Out 22:01	Draft Time 18:7	A320	02
F35006	Check-In 05:00	Check-Out 11:44	Draft Time 4:2	A320	01
F35007	Check-In 05:00	Check-Out 00:14	Draft Time 22:7	A320	04
F35008	Check-In 05:00	Check-Out 14:55	Draft Time 20:0	A320	03
F35009	Check-In 05:00	Check-Out 14:02	Draft Time 10:6	A320	02

Pairings (325 of 437)

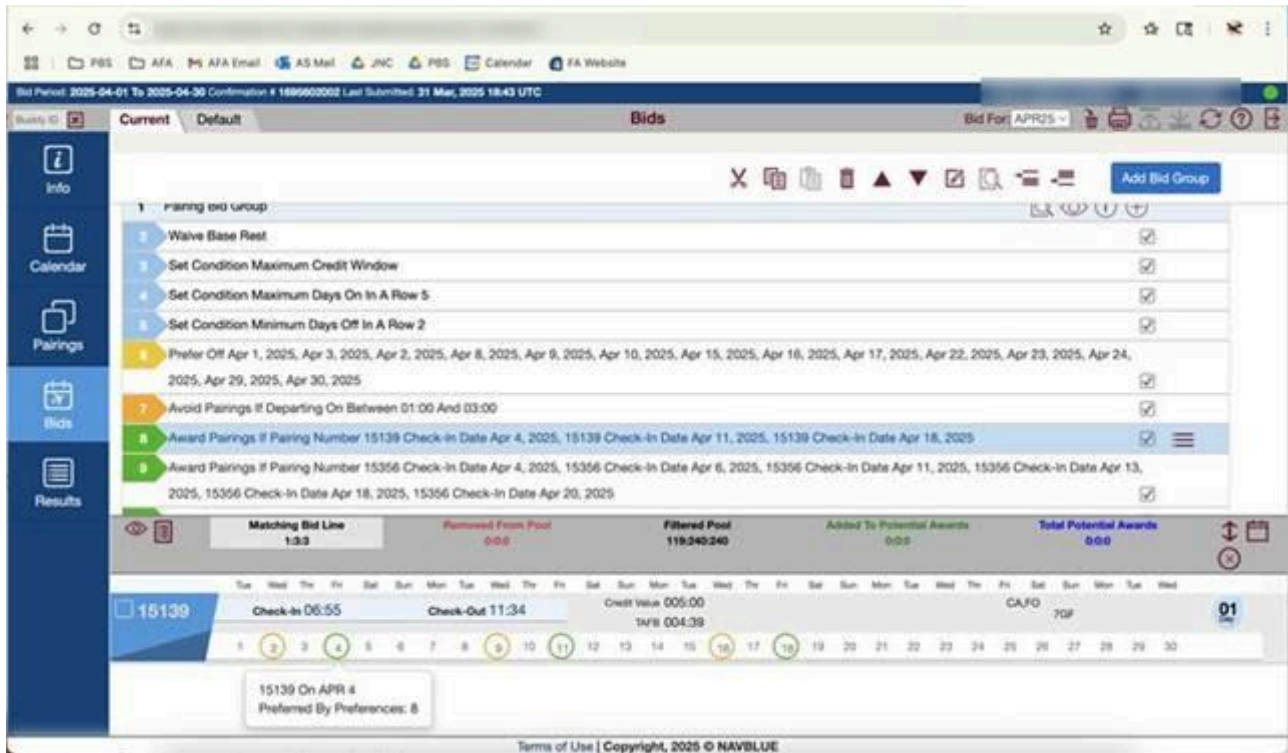
Pairing Number	Check-In	Check-Out	Draft Time	Aircraft	Time
F35000	Check-In 05:00	Check-Out 12:41	Draft Time 20:0	B747-400	03
F35001	Check-In 05:00	Check-Out 22:01	Draft Time 18:7	A320	02
F35002	Check-In 05:00	Check-Out 12:41	Draft Time 17:8	A320	03
F35003	Check-In 05:00	Check-Out 22:28	Draft Time 20:2	A320	04
F35004	Check-In 05:00	Check-Out 11:44	Draft Time 4:2	A320	01
F35005	Check-In 05:00	Check-Out 22:01	Draft Time 18:7	A320	02
F35006	Check-In 05:00	Check-Out 11:44	Draft Time 4:2	A320	01
F35007	Check-In 05:00	Check-Out 00:14	Draft Time 22:7	A320	04
F35008	Check-In 05:00	Check-Out 14:55	Draft Time 20:0	A320	03
F35009	Check-In 05:00	Check-Out 14:02	Draft Time 10:6	A320	02

Resolution Details

The award button didn't work due to critical error in code execution. The problem was resolved and the award button is now available.

D-48219 Community - Bid Analyzer Not Adding Pairings to Potential Awards and Total Potential Awards Description

This correctly shows the matching pairings but none show as added to potential awards despite the fact that this is the first line it is requested.



Resolution Details

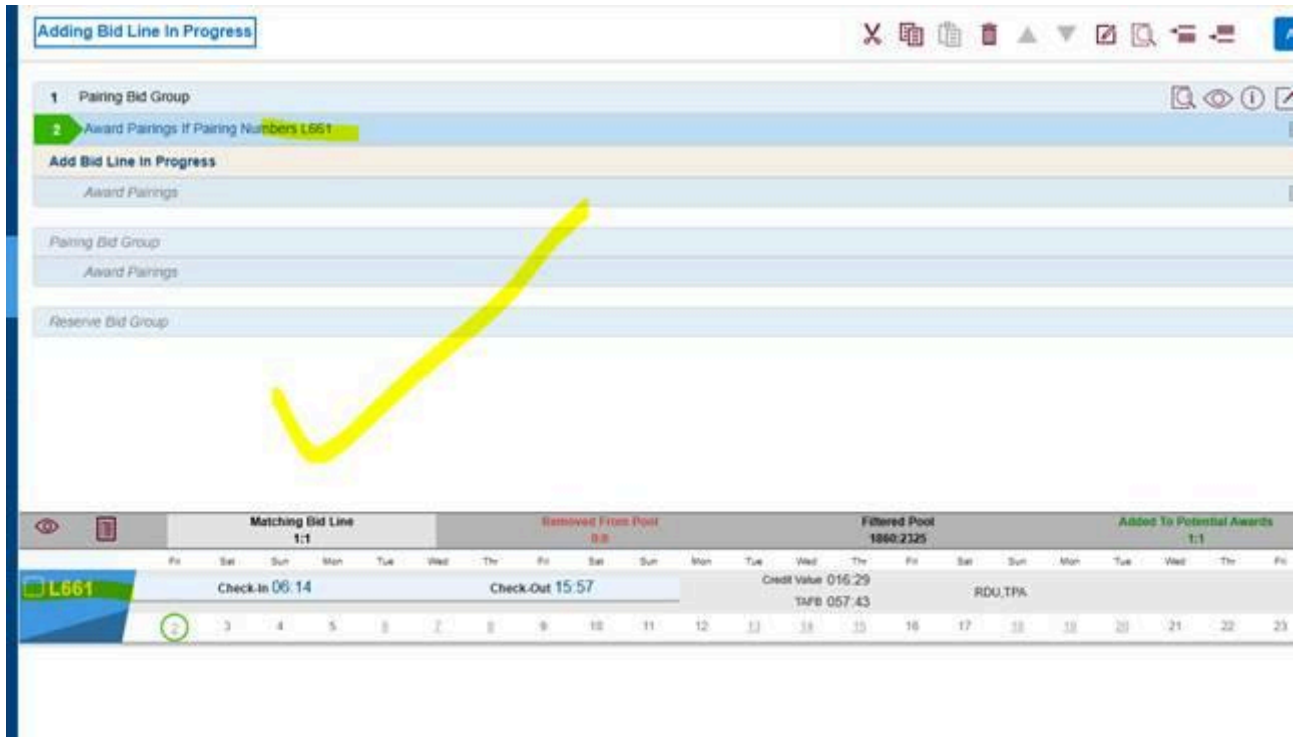
Fixed a bug where pairings were sometimes incorrectly excluded from the calculation of **added/total potential awards**. Pairings are now correctly counted and added to your potential awards totals.

D-47852 Community -

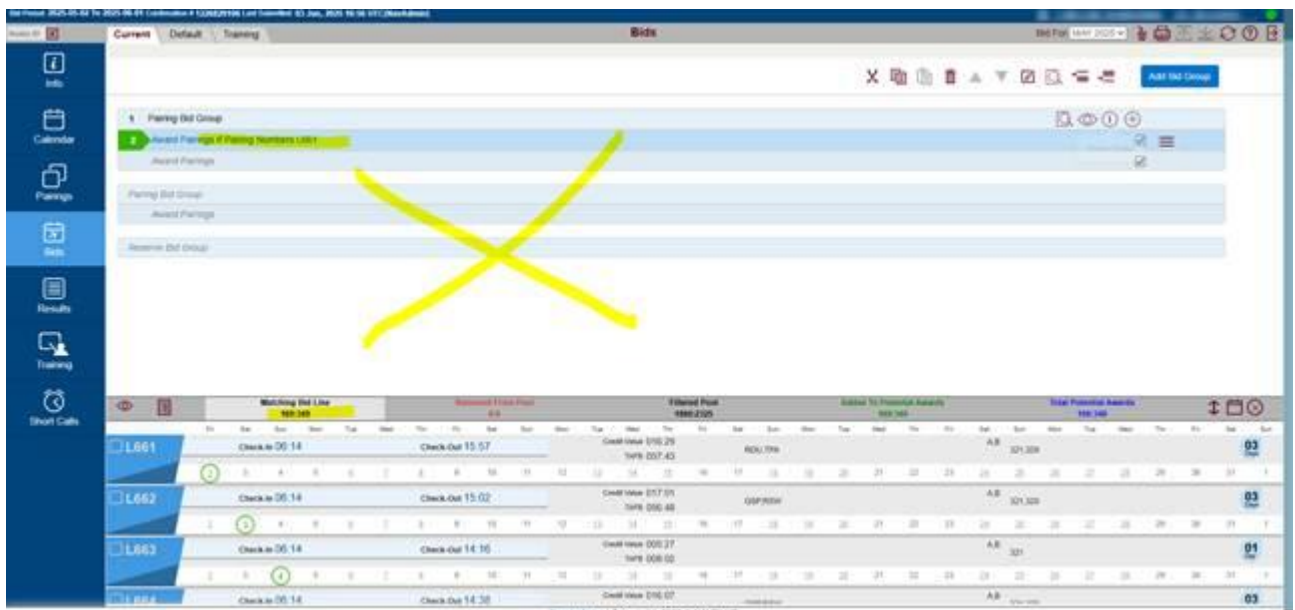
Bid Analyzer Fails After Re-Sync and Submit When Pairing Name Contains a Letter Description

Problem with Analyzer AFTER bid is submitted, Crew resyncs and then reanalyzes.

This ONLY seems to happen with pairing numbers that start with a LETTER - and ONLY when you have ONE selected - this seems to work with 2 more more.



AFTER SUBMIT AND SYNC AND RE ANALYZE:



Resolution Details

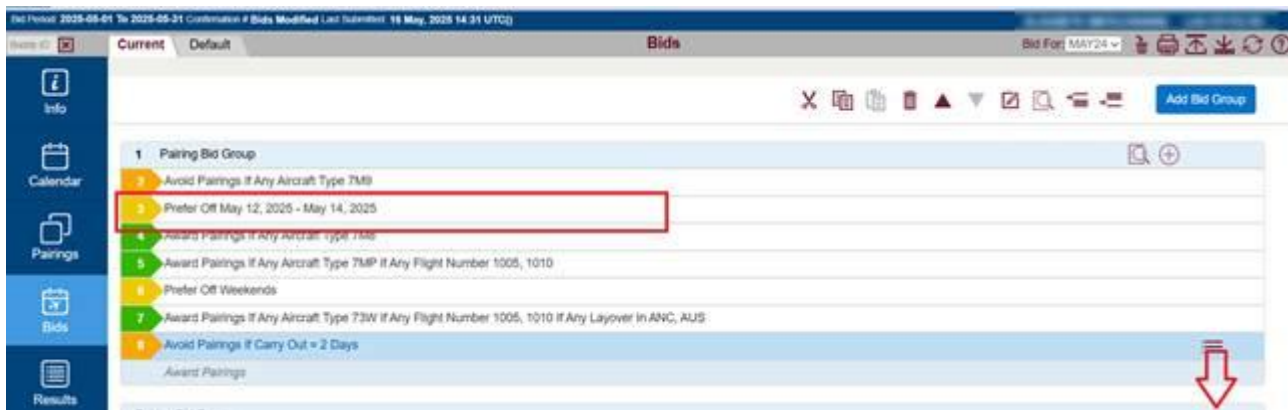
Corrected an issue to ensure that filter comparisons in Pairings, Training, and the Analyzer operate reliably and return the correct data, especially when using exact matching or simple status filters.

D-48125 Community- Adding Prefer Off - Ordering Issue

Description

When adding Prefer off to a bid group, they are not inserted in the correct order; rather, they are always added to the top of the group.

The Prefer Off preference on line 3 was added using the insert below option from Avoid pairing bid preference (Currently Line 8, was Line 7 before the prefer off was applied.)



Resolution Details

We implemented a new and more accurate indexing system for bid lines. This fix specifically ensures that the "Prefer Off" line is always inserted in the correct, appropriate order within your bid group, resolving previous placement issues.

D-47906 Community - Editing "Prefer Off and AVOID" JUMPS the Added Order of Award Description

When editing an existing negative bid, such as prefer off or avoid that falls below an award statement, the avoid and prefer off JUMPS above the award statement.

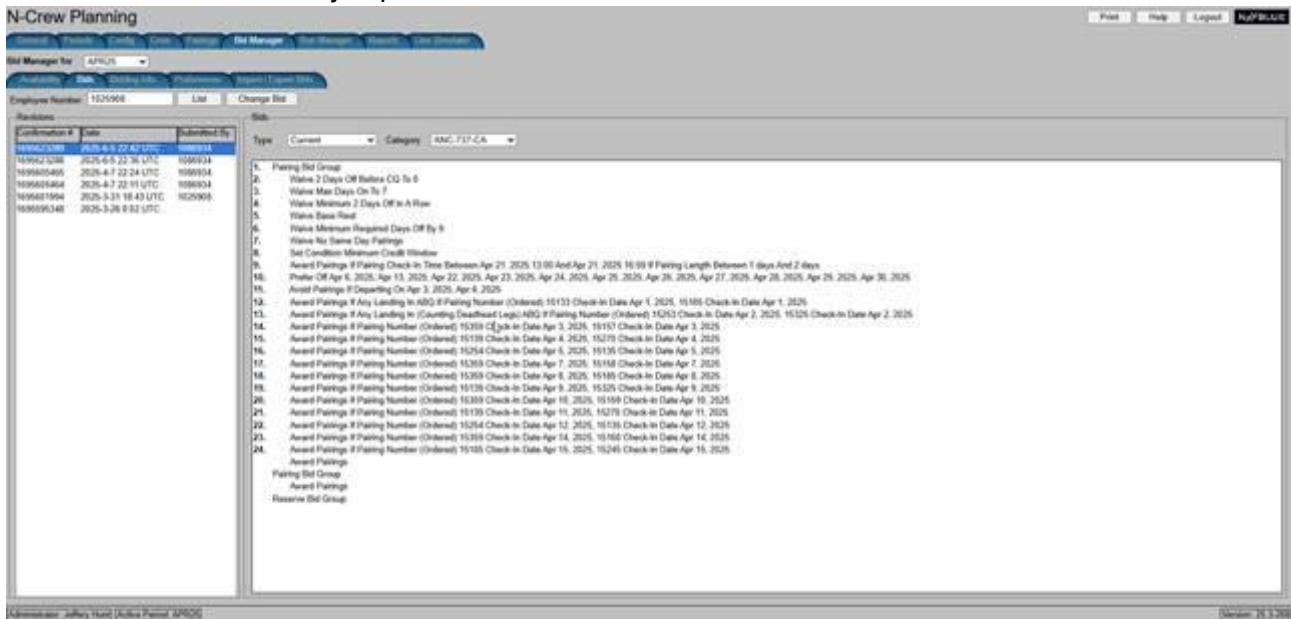
Edited the bid - added an avoid Line into line 12 and edited line 9 to a range between 1 and 2 days and submitted

The prefer off line JUMPED above the edited award statement

1.	Pairing Bid Group
2.	Waive 2 Days Off Before CQ To 0
3.	Waive Max Days On To 7
4.	Waive Minimum 2 Days Off In A Row
5.	Waive Base Rest
6.	Waive Minimum Required Days Off By 9
7.	Waive No Same Day Pairings
8.	Set Condition Minimum Credit Window
9.	Prefer Off Apr 6, 2025, Apr 13, 2025, Apr 22, 2025, Apr 23, 2025, Apr 24, 2025, Apr 25, 2025, Apr 26, 2025, Apr 27, 2025, Apr 28, 2025, Apr 29, 2025, Apr 30, 2025
10.	Award Pairings If Pairing Check-In Time Between Apr 21, 2025 13:00 And Apr 21, 2025 16:59 If Pairing Length Between 1 days And 2 days
11.	Award Pairings If Pairing Number (Ordered) 15133 Check-In Date Apr 1, 2025, 15185 Check-In Date Apr 1, 2025
12.	Avoid Pairings If Departing On Apr 3, 2025, Apr 4, 2025
13.	Award Pairings If Pairing Number (Ordered) 15253 Check-In Date Apr 2, 2025, 15325 Check-In Date Apr 2, 2025
14.	Award Pairings If Pairing Number (Ordered) 15359 Check-In Date Apr 3, 2025, 15157 Check-In Date Apr 3, 2025
15.	Award Pairings If Pairing Number (Ordered) 15139 Check-In Date Apr 4, 2025, 15270 Check-In Date Apr 4, 2025
16.	Award Pairings If Pairing Number (Ordered) 15254 Check-In Date Apr 5, 2025, 15135 Check-In Date Apr 5, 2025
17.	Award Pairings If Pairing Number (Ordered) 15359 Check-In Date Apr 7, 2025, 15158 Check-In Date Apr 7, 2025
18.	Award Pairings If Pairing Number (Ordered) 15359 Check-In Date Apr 8, 2025, 15185 Check-In Date Apr 8, 2025
19.	Award Pairings If Pairing Number (Ordered) 15139 Check-In Date Apr 9, 2025, 15325 Check-In Date Apr 9, 2025
20.	Award Pairings If Pairing Number (Ordered) 15359 Check-In Date Apr 10, 2025, 15159 Check-In Date Apr 10, 2025
21.	Award Pairings If Pairing Number (Ordered) 15139 Check-In Date Apr 11, 2025, 15270 Check-In Date Apr 11, 2025
22.	Award Pairings If Pairing Number (Ordered) 15254 Check-In Date Apr 12, 2025, 15135 Check-In Date Apr 12, 2025
23.	Award Pairings If Pairing Number (Ordered) 15359 Check-In Date Apr 14, 2025, 15160 Check-In Date Apr 14, 2025
24.	Award Pairings If Pairing Number (Ordered) 15185 Check-In Date Apr 15, 2025, 15245 Check-In Date Apr 15, 2025
	Award Pairings
	Pairing Bid Group
	Award Pairings
	Reserve Bid Group

I went back and then edited line 11 and added ABQ as a landing requirement.

the Avoid on line 12 then jumped above line 11.

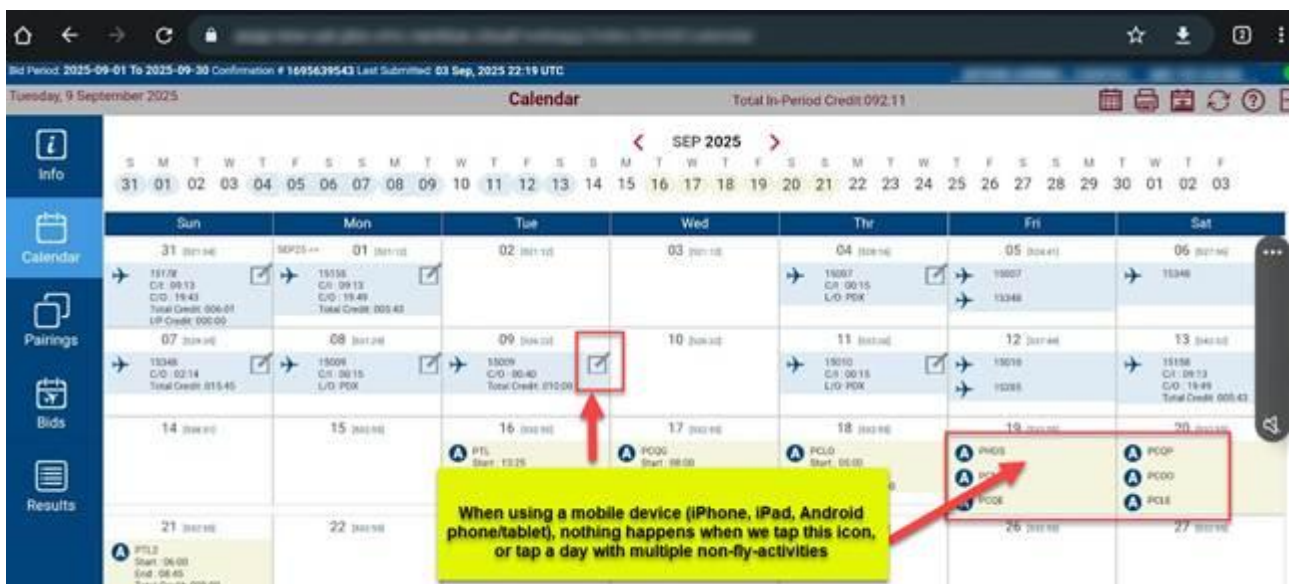


Resolution Details

Resolved issues caused by outdated indexing logic. Bid lines no longer move unexpectedly after being edited, and the "Prefer Off" line now retains its correct placement after being pasted.

D-49113 Community- Trip Details on Calendar View, With Mobile Devices (From 25.5 Testing) Description

Resolved an issue on the Crew Portal Calendar tab (version 25.5) where users on touchscreen devices (phones and tablets) could not view detailed information for pairings or days with multiple non-flying activities. Tapping the details icon now correctly displays the expected trip and activity details, restoring functionality to all mobile users.



The top screenshot shows a calendar view for September 2025. It displays a grid of dates from 31 to 01. Below the grid, there are rows for trips. The first row shows a trip on 01 with a checkmark icon. The second row shows a trip on 02 with a checkmark icon. The third row shows a trip on 03 with a checkmark icon. The fourth row shows a trip on 04 with a checkmark icon. The fifth row shows a trip on 05 with a checkmark icon. The sixth row shows a trip on 06 with a checkmark icon. The seventh row shows a trip on 07 with a checkmark icon. The eighth row shows a trip on 08 with a checkmark icon. The ninth row shows a trip on 09 with a checkmark icon. The tenth row shows a trip on 10 with a checkmark icon. The eleventh row shows a trip on 11 with a checkmark icon. The twelfth row shows a trip on 12 with a checkmark icon. The thirteenth row shows a trip on 13 with a checkmark icon. The fourteenth row shows a trip on 14 with a checkmark icon. The fifteenth row shows a trip on 15 with a checkmark icon. The sixteenth row shows a trip on 16 with a checkmark icon. The seventeenth row shows a trip on 17 with a checkmark icon. The eighteenth row shows a trip on 18 with a checkmark icon. The nineteenth row shows a trip on 19 with a checkmark icon. The twentieth row shows a trip on 20 with a checkmark icon. The twenty-first row shows a trip on 21 with a checkmark icon. The twenty-second row shows a trip on 22 with a checkmark icon. The twenty-third row shows a trip on 23 with a checkmark icon. The twenty-fourth row shows a trip on 24 with a checkmark icon. The twenty-fifth row shows a trip on 25 with a checkmark icon. The twenty-sixth row shows a trip on 26 with a checkmark icon. The twenty-seventh row shows a trip on 27 with a checkmark icon. The twenty-eighth row shows a trip on 28 with a checkmark icon. The twenty-ninth row shows a trip on 29 with a checkmark icon. The thirtieth row shows a trip on 30 with a checkmark icon. The thirty-first row shows a trip on 31 with a checkmark icon.

The middle screenshot shows a calendar view for September 2025. It displays a grid of dates from 31 to 01. Below the grid, there are rows for trips. The first row shows a trip on 01 with a checkmark icon. The second row shows a trip on 02 with a checkmark icon. The third row shows a trip on 03 with a checkmark icon. The fourth row shows a trip on 04 with a checkmark icon. The fifth row shows a trip on 05 with a checkmark icon. The sixth row shows a trip on 06 with a checkmark icon. The seventh row shows a trip on 07 with a checkmark icon. The eighth row shows a trip on 08 with a checkmark icon. The ninth row shows a trip on 09 with a checkmark icon. The tenth row shows a trip on 10 with a checkmark icon. The eleventh row shows a trip on 11 with a checkmark icon. The twelfth row shows a trip on 12 with a checkmark icon. The thirteenth row shows a trip on 13 with a checkmark icon. The fourteenth row shows a trip on 14 with a checkmark icon. The fifteenth row shows a trip on 15 with a checkmark icon. The sixteenth row shows a trip on 16 with a checkmark icon. The seventeenth row shows a trip on 17 with a checkmark icon. The eighteenth row shows a trip on 18 with a checkmark icon. The nineteenth row shows a trip on 19 with a checkmark icon. The twentieth row shows a trip on 20 with a checkmark icon. The twenty-first row shows a trip on 21 with a checkmark icon. The twenty-second row shows a trip on 22 with a checkmark icon. The twenty-third row shows a trip on 23 with a checkmark icon. The twenty-fourth row shows a trip on 24 with a checkmark icon. The twenty-fifth row shows a trip on 25 with a checkmark icon. The twenty-sixth row shows a trip on 26 with a checkmark icon. The twenty-seventh row shows a trip on 27 with a checkmark icon. The twenty-eighth row shows a trip on 28 with a checkmark icon. The twenty-ninth row shows a trip on 29 with a checkmark icon. The thirtieth row shows a trip on 30 with a checkmark icon. The thirty-first row shows a trip on 31 with a checkmark icon.

The bottom screenshot shows a calendar view for September 2025. It displays a grid of dates from 31 to 01. Below the grid, there are rows for trips. The first row shows a trip on 01 with a checkmark icon. The second row shows a trip on 02 with a checkmark icon. The third row shows a trip on 03 with a checkmark icon. The fourth row shows a trip on 04 with a checkmark icon. The fifth row shows a trip on 05 with a checkmark icon. The sixth row shows a trip on 06 with a checkmark icon. The seventh row shows a trip on 07 with a checkmark icon. The eighth row shows a trip on 08 with a checkmark icon. The ninth row shows a trip on 09 with a checkmark icon. The tenth row shows a trip on 10 with a checkmark icon. The eleventh row shows a trip on 11 with a checkmark icon. The twelfth row shows a trip on 12 with a checkmark icon. The thirteenth row shows a trip on 13 with a checkmark icon. The fourteenth row shows a trip on 14 with a checkmark icon. The fifteenth row shows a trip on 15 with a checkmark icon. The sixteenth row shows a trip on 16 with a checkmark icon. The seventeenth row shows a trip on 17 with a checkmark icon. The eighteenth row shows a trip on 18 with a checkmark icon. The nineteenth row shows a trip on 19 with a checkmark icon. The twentieth row shows a trip on 20 with a checkmark icon. The twenty-first row shows a trip on 21 with a checkmark icon. The twenty-second row shows a trip on 22 with a checkmark icon. The twenty-third row shows a trip on 23 with a checkmark icon. The twenty-fourth row shows a trip on 24 with a checkmark icon. The twenty-fifth row shows a trip on 25 with a checkmark icon. The twenty-sixth row shows a trip on 26 with a checkmark icon. The twenty-seventh row shows a trip on 27 with a checkmark icon. The twenty-eighth row shows a trip on 28 with a checkmark icon. The twenty-ninth row shows a trip on 29 with a checkmark icon. The thirtieth row shows a trip on 30 with a checkmark icon. The thirty-first row shows a trip on 31 with a checkmark icon.

Resolution Details

Corrected an internal setting within the calendar's container logic to ensure touch events are properly recognized by calendar entries on mobile devices.

D-48577 Community- Community Compilation Fails with Recent Version of NAVBLUE-Core-Devel Package

Remove a duplicated and unnecessary macro definition (NAVALEN) from the application code. This addresses a conflict that caused compilation errors with the latest version of our underlying core development libraries.

Resolution Details

We performed an internal maintenance update by removing an obsolete file (NavMacro.h). This cleanup resolves a compilation error with the latest core development packages, ensuring smoother, more stable application builds and deployments in the future.

D-48181 Community - Delete Prepared Period -> Run Manager Tab - Error: Unable to Find the Period

Description

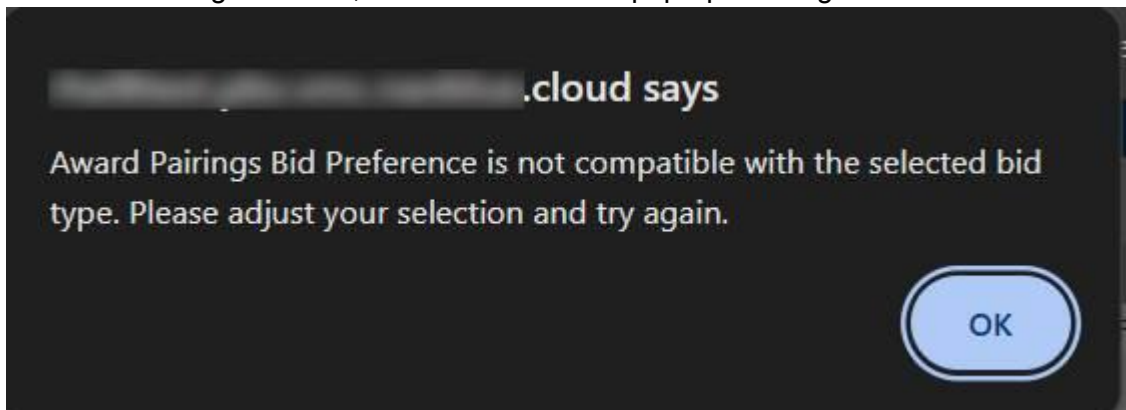
After deleting the prepared period and going to the Run Manager tab an error is generated. This happens when going to any other tab and then proceeding to the Run Manager tab. The issue can be alleviated by logging out and back in.

Resolution Details

Fixed an issue where if no period was explicitly selected (i.e., the selection was null), the system would fail to default to the currently active period. The application now intelligently detects a null selection and automatically selects the active period, ensuring a stable interface.

D-48191 Community - No Possibility of Adding a Bid Line for Layover from the Pairing Tab Description

There is no possibility to add a bid line from the created filter for Layover in the Pairing tab. Instead of adding a bid line, the N-PBS shows a pop-up message:



But if we create an Award bid line with the same conditions directly in the Pairing bid group, then no error is displayed, and a bid line can be submitted.

Resolution Details

Corrected an issue where start and end date objects were improperly initialized, thus preventing a cascade of errors in date-dependent functionality.

D-48686 Community- Incorrect Circle Coloring for Event Filters in Training Screen Description

The training screen displays incorrect circle colors when using day or date based event start or event touches filters. This occurs in V25.1

Filter	Sub Filter	Pairings that Match Should Return	Pairings that Match 25.1 Return
Event Start	Dates List	Green Circles	Grey Circles
	Dates Range	Green Circles	Some Green, Some Grey
	Days of Week List	Green Circles	Grey Circles
	Days of Week Range	Green Circles	Some Green, Some Grey
Event Touches	Dates List	Green Circles	Grey Circles
	Dates Range	Green Circles	Some Green, Some Grey
	Days of Week List	Green Circles	Some Green, Some Grey
	Days of Week Range	Green Circles	Some Green, Some Grey

Event	Start Time	End Time	Training Type	New Credit	Location	Category	Status
1014 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1032 LAX	Start Time: 17:20	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1064 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1076 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1212 LAX	Start Time: 17:20	End Time: 18:15	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1256 LAX	Start Time: 17:05	End Time: 18:47	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1348 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1362 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1366 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1368 LAX	Start Time: 17:05	End Time: 18:00	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...
1368 LAX	Start Time: 17:05	End Time: 18:47	Training Type: 5000/2000000	Team 1	LAX, BLD	Category: LAX-500-A	Event Properties: Event Period: C.B. R...

Training ID	Start Time	End Time	Training Type	Task Code	Location	Category	Status
1485 LAX	10/10/2024 10:00	10/10/2024 10:30	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1486 LAX	10/10/2024 10:30	10/10/2024 10:45	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1487 LAX	10/10/2024 10:45	10/10/2024 10:55	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1488 LAX	10/10/2024 10:55	10/10/2024 11:05	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1489 LAX	10/10/2024 11:05	10/10/2024 11:15	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1490 LAX	10/10/2024 11:15	10/10/2024 11:25	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1491 LAX	10/10/2024 11:25	10/10/2024 11:35	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1492 LAX	10/10/2024 11:35	10/10/2024 11:45	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1493 LAX	10/10/2024 11:45	10/10/2024 11:55	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1494 LAX	10/10/2024 11:55	10/10/2024 12:05	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby

Training ID	Start Time	End Time	Training Type	Task Code	Location	Category	Status
1514 LAX	10/10/2024 17:05	10/10/2024 17:15	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1515 LAX	10/10/2024 17:15	10/10/2024 17:25	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1516 LAX	10/10/2024 17:25	10/10/2024 17:35	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1517 LAX	10/10/2024 17:35	10/10/2024 17:45	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1518 LAX	10/10/2024 17:45	10/10/2024 17:55	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1519 LAX	10/10/2024 17:55	10/10/2024 18:05	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1520 LAX	10/10/2024 18:05	10/10/2024 18:15	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1521 LAX	10/10/2024 18:15	10/10/2024 18:25	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1522 LAX	10/10/2024 18:25	10/10/2024 18:35	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby
1523 LAX	10/10/2024 18:35	10/10/2024 18:45	Task Code 00000	Task 1	LAX, LAX	LAX-000-A	Standby

Resolution Details

Resolved an issue where a previously matched training assignment could be incorrectly removed if a secondary date check failed. Matches now persist if any valid condition is met.

D-48023 Community – Error When Upgrading NavLog Package Description

When upgrading release test machine:

```

(41/48): ShuData-R2R-25.5-339.x86_64.rpm          182 KB/s | 17 KB | 09:00
(42/48): ClassR2R-25.5-339.x86_64.rpm            24 KB/s | 2.4 KB | 09:00
(43/48): Falcon-25.5-339.x86_64.rpm              9.6 KB/s | 1.5 KB | 09:00
(44/48): navtech-classr2r-25.5-339.x86_64.rpm     4.2 KB/s | 452 B | 09:00
(45/48): navtech-fcr-25.5-339.x86_64.rpm         283 KB/s | 27 KB | 09:00
(46/48): ShuData-RIR-25.5-339.x86_64.rpm         170 KB/s | 14 KB | 09:00
(47/48): navtech-phaser-25.5-339.x86_64.rpm      430 KB/s | 43 KB | 09:00
(48/48): ShuData-FIR-25.5-339.x86_64.rpm         142 KB/s | 14 KB | 09:00

Total                                              7.3 KB/s | 16 KB | 09:02
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
Preparing | 1/1
Running scriptlet: ShuData-Common-25.5-339.x86_64 1/96
Upgrading | 1/96
Running scriptlet: ShuData-Common-25.5-339.x86_64 1/96
Upgrading | 1/96
Running scriptlet: doq-3.8.0-12.x86_64 1/96
Upgrading | 1/96
Running scriptlet: navtech-navlog-25.5-339.x86_64 3/96
Upgrading | 1/96
Running scriptlet: navtech-navlog-25.5-339.x86_64 3/96
ERROR 1426 (42000): at line 27: Too big precision 14 specified for 'Time'. Maximum is 6
Running scriptlet: navtech-postoffice-25.5-339.x86_64 4/96
Upgrading | 1/96
Running scriptlet: navtech-postoffice-25.5-339.x86_64 4/96
Running scriptlet: navtech-reporting-25.5-339.x86_64 5/96
Upgrading | 1/96
Running scriptlet: navtech-reporting-25.5-339.x86_64 5/96
Running scriptlet: navtech-phaser-25.5-339.x86_64 6/96
Upgrading | 1/96
Running scriptlet: navtech-phaser-25.5-339.x86_64 6/96
Running scriptlet: navtech-lineholders-25.5-339.x86_64 7/96
Upgrading | 1/96
Running scriptlet: navtech-lineholders-25.5-339.x86_64 7/96
Running scriptlet: navtech-crewCAL-25.5-339.x86_64 8/96
Upgrading | 1/96
Running scriptlet: navtech-crewCAL-25.5-339.x86_64 8/96
Running scriptlet: navtech-crewCAL-25.5-339.x86_64 8/96
Upgrading | 1/96
Running scriptlet: navtech-gba-25.5-339.x86_64 9/96
Upgrading | 1/96
Running scriptlet: navtech-gba-25.5-339.x86_64 9/96
Running scriptlet: navtech-lineactivity-25.5-339.x86_64 10/96
Upgrading | 1/96
Running scriptlet: navtech-lineactivity-25.5-339.x86_64 10/96
Running scriptlet: navtech-gba-reporting-25.5-339.x86_64 11/96
Upgrading | 1/96
Running scriptlet: navtech-gba-reporting-25.5-339.x86_64 11/96
Running scriptlet: navtech-bid-25.5-339.x86_64 12/96
Upgrading | 1/96
Running scriptlet: navtech-bid-25.5-339.x86_64 12/96

```

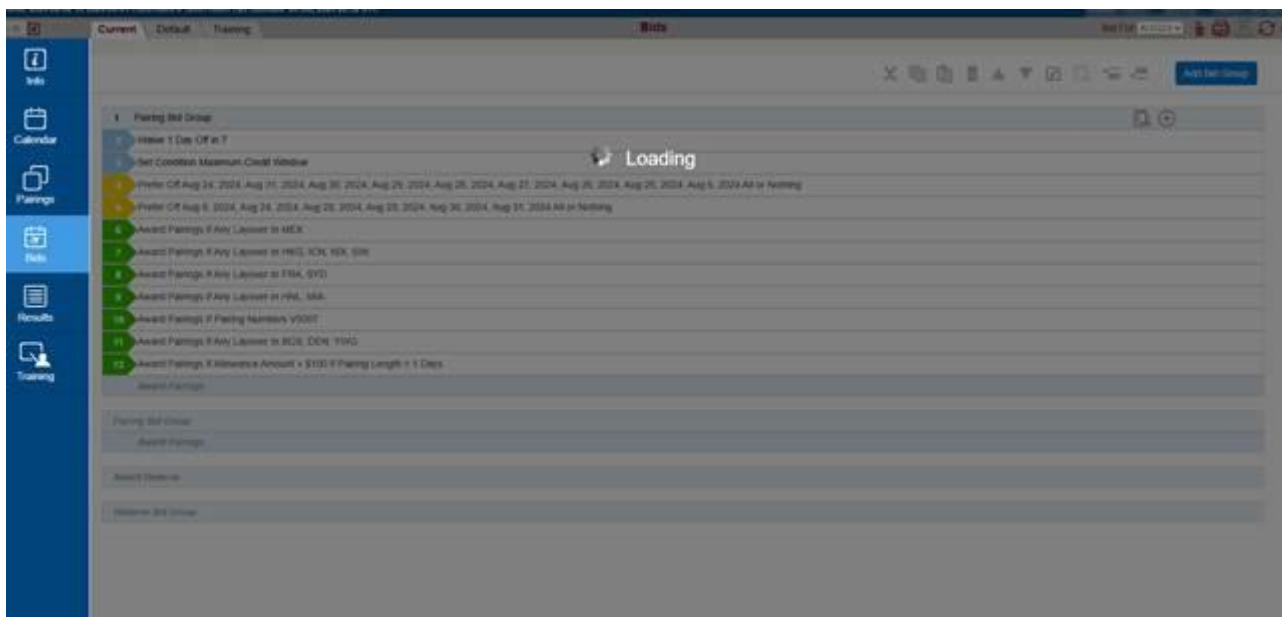
Resolution Details

Change the millisecond to 6 instead of 14

D-48612 Community - Infinity Loading When Analyzer Window in Training is Open and the Tab Changes

Description

When attempting to change the tab while the analyser window for training is open from "Training" to "Current" tab, the application completely freezes. Currently only discovered on ACA rhel8 version developunified-461.



Resolution Details

Ensured the "Loading" state immediately ends on the Training Analyzer once bid lines are loaded and filtered, preventing the modal from hanging when changing tabs.

D-46850 Community- PbsDbUtil.pl - Missing Logic

Description

Database Utility Improvements:

- The PbsDbUpgrade.sh script now automatically creates necessary, missing CSV files during execution to prevent upgrade errors.
- The PbsDbUtil.pl script has been updated to allow full toggling of the Bidding Import functionality, enabling administrators to both activate and deactivate the Test/UAT mode on a PBS database as needed.

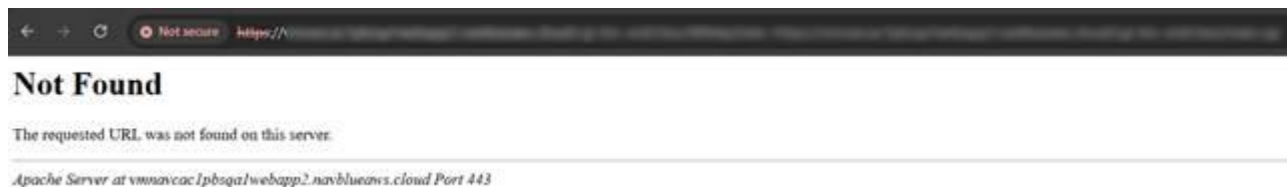
Resolution Details

Implemented the ability to safely toggle ON or OFF the Bidding Import functionality on a database. This provides administrators with necessary control to revert a system's status from a "Test" configuration to a "Production" configuration.

D-47674 Community- SSO - Logout from Admin UI after Logging out of WebApp Generates Error

Description

- 1) Login to Admin UI
- 2) Go to Bid Manager -> Bids -> (enter Employee Number) -> Change Bid
- 3) Logout of WebApp
- 4) Logout of Admin UI



Resolution Details

Ensured that the correct logout URL is retained after session termination in the Bidder UI for predictable post-logout navigation.

D-49643 Community - Auto-Save is Not Working Properly When a New Bid Line from the Training Tab is Added to the Training Bid Group

Description

Auto-Save is not working properly when a new bid line from the Training tab is added to the Training Bid Group. Generally, when we have saved bids and nothing is in the browser cache.

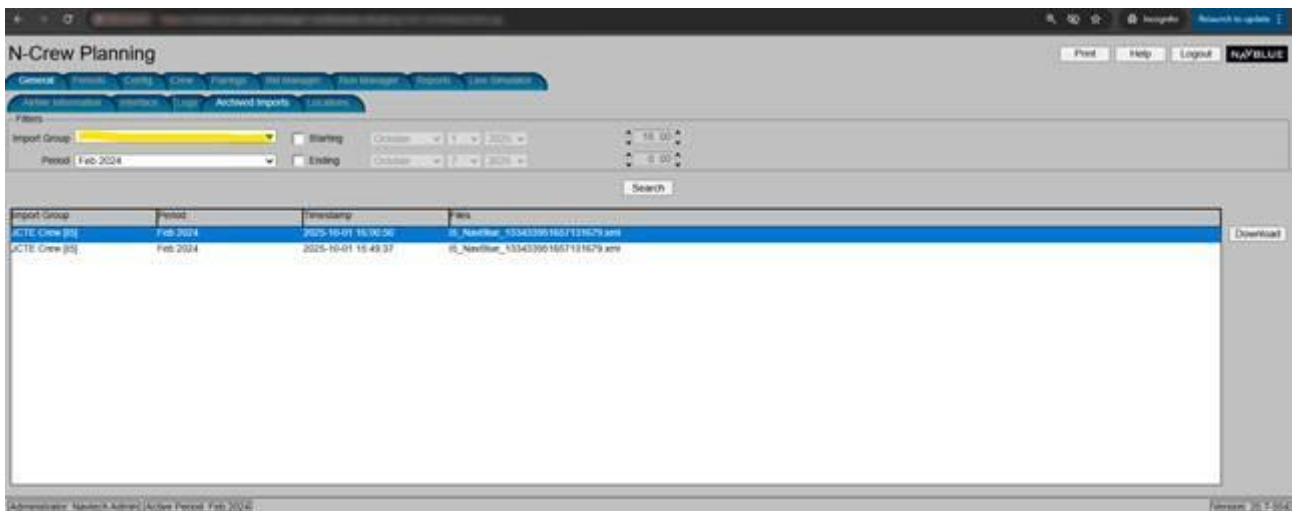
Resolution Details

Fixed an issue where the application sometimes lost track of local bid modifications. The logic for marking bids as modified is now triggered immediately upon saving, guaranteeing that your latest local changes are protected from being overwritten by the server during sync.

D-49505 Community -

Selected Import Group Value Disappears When Period is Selected in the Archived Imports

Description



Resolution Details

Resolved an issue where the selected Import Group was lost or reset after the options list was refreshed (e.g., when the data was reloaded). The application now reliably captures the selected group's unique ID and restores the correct selection from the newly loaded list. Your selection remains stable and persistent, even when the underlying data is updated.

D-49492 Community- The Menu Options are Disabled, and Analyze Button is Not Working After Adding New Bid Line

Description

Menu options and the Analyze button for the Training Bid Group to become unresponsive immediately after adding a new bid line from the Training tab.

Resolution Details

To ensure that newly added bid lines from the Training and Pairing pages are immediately visible and correctly displayed on the Bids page, we improved the way the system updates the list of bids. Now, after a new line is added:

- The list of bids is automatically refreshed.
- The newly added line is properly selected and shown with all relevant options and actions available (such as editing or inserting lines).

This change ensures a smoother and more intuitive experience for users working with bids, without needing to manually refresh or reselect anything.

Introduction

Chapter 03

In some instances, how your bid looks, how bid groups are ordered, validated and processed varies on what type of Reserve module you have. See [Reserve Types](#) for information on how to tell what type of reserve you have.

This guide describes how use the NAVBLUE PBS interface to view bidding information, available pairings, create and submit bids and how to view your awards. It also provides information on the bid preferences available to you. The last section describes the processing logic behind NAVBLUE N-PBS (the N-PBS Scheduling engine) that processes your bids and awards pairings.

The NAVBLUE PBS interface allows you to customize your schedule according to your individual likes and dislikes. The NAVBLUE PBS interface and Scheduler form a Preferential Bidding System (N-PBS) that builds individualized crew schedules based on each crew member's preferences, including both likes and dislikes for flying, specific pairings, and days off.

The bids that you submit using the NAVBLUE PBS interface are submitted to the N-PBS Scheduler. Your bids and the rules, pairings, and other parameters in the N-PBS Scheduler added by your administrator are used to automatically build your flying schedule for the bid period referred to as a block.

The N-PBS Scheduler considers each crew member's seniority and bid when building schedules and ensures that the final schedule of time meet as many crew member preferences as possible, while also meeting legal requirements and the airline's targets for crew utilization and open time. Schedules are constructed strictly according to the seniority of each bidder, with the most senior bidder's block created first, and the most junior bidder's block created last.

Along with your awarded pairings, the N-PBS Bidder provides a Reasons Report that identifies whether or not each bid preference was fulfilled and also provides detailed explanations for awards and denials.

3.1 Introduction

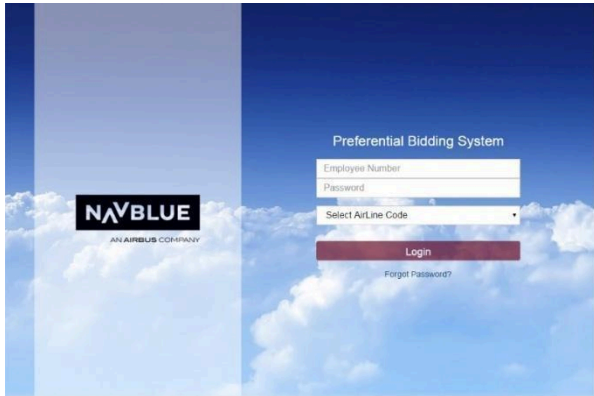
3.2.A Log In



You will automatically be logged out of the application after 30 minutes of inactivity.

The Select Airline Code drop-down menu is only available if you have a multiple airline code setup. If you do not have a multiple code setup you won't see this menu.

Log In Screen



Enter your employee number and password to log in to NAVBLUE PBS interface.

3.2.B Forgot Password

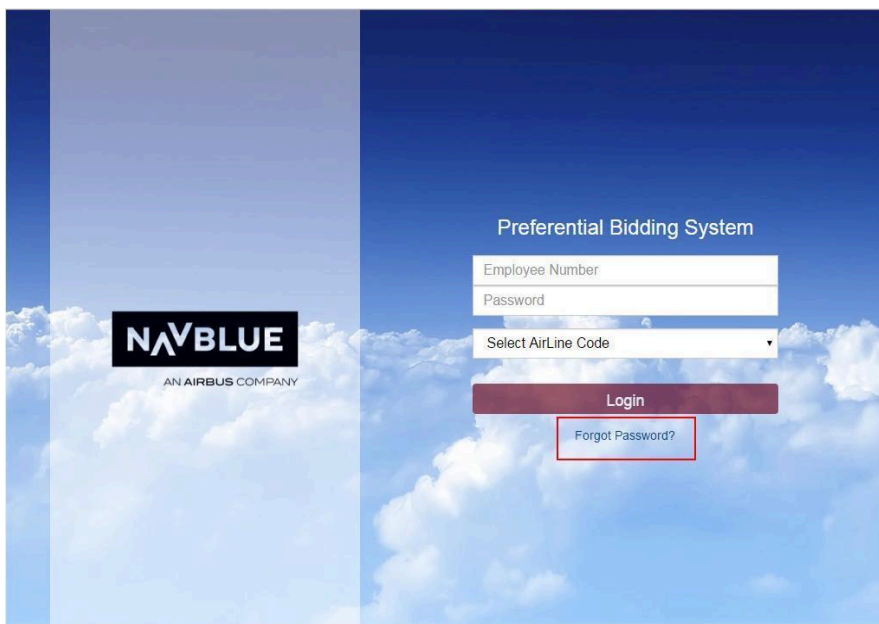
Lorem



To utilize the forgotten password feature you must register your e-mail, see register e-mail for more information.

If you forget your password click on the Forget Password link at the bottom of the screen.

Forgot Password screen



Enter your employee number and click the **E-mail Password** button.

3.2.C Change Password

You can change your password at any time when you are logged in to the NAVBLUE PBS interface. You will be forced to change your password if it is the same as your employee ID.

Change Password Dialog



Change Password [X]

Follow these guidelines to create a new password:

1. use at least six characters.
2. use uppercase and lowercase letters, numbers, and symbols.
3. don't use these characters: & < > * "

Current Password :

New Password :

Confirm New Password :

Change Password

To Change Your Password:

1. Log in.
2. Click on the Help button to view a list of items.
3. Click on Change Password in the list.



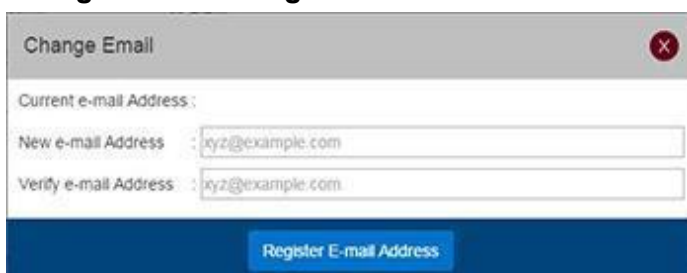
a.

4. Enter your current password, your new password and confirm it on the Change Password dialog.
5. Click the **Change Password** button.

3.2.D Register Your E-mail

You can register your e-mail at any time when you are logged in to the NAVBLUE PBS interface. You can't use utilize the Forgot Password feature if you don't register your e-mail.

Change E-Mail Dialog



Change Email [X]

Current e-mail Address :

New e-mail Address :

Verify e-mail Address :

Register E-mail Address

To Register Your E-Mail:

1. Log in.
2.  Click on the Help button to view a list of items.
3. Click on Change Email in the list.
4. Enter your e-mail address and confirm it on the Change Email dialog.
5. Click the **Register E-mail Address** button.

3.2.E Compatible Browsers and Devices

NAVBLUE N-PBS is tested only on the most recent versions of the following browsers:

- Chrome
- MS Edge
- Firefox
- Safari (on Macintosh computers running macOS Catalina)

3.2.F Mobile Devices

NAVBLUE N-PBS is tested on the following mobile devices, using either Safari or Chrome applications:

- iPad
- iPad Air
- iPad Pro
- iPhone Plus
- iPhone Pro

3.2.G Browser Settings

NAVBLUE N-PBS requires javascript, pop-up windows and cookies enabled in all browsers. See the browser documentation for more details.

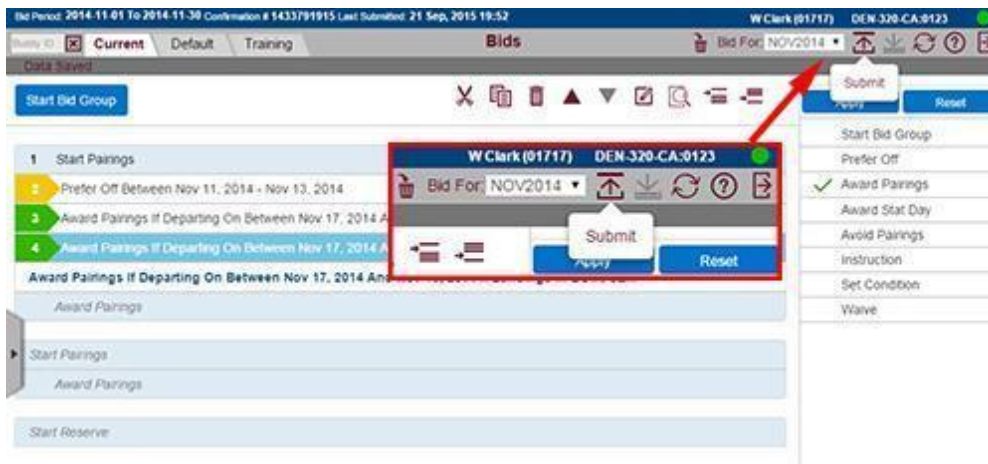
3.2.H Operating System

The N-PBS Admin and Bidder Interfaces are tested on the following operating systems:

- iOS 15.0
- Windows 10
- Catalina

3.2.I On-Line Mode

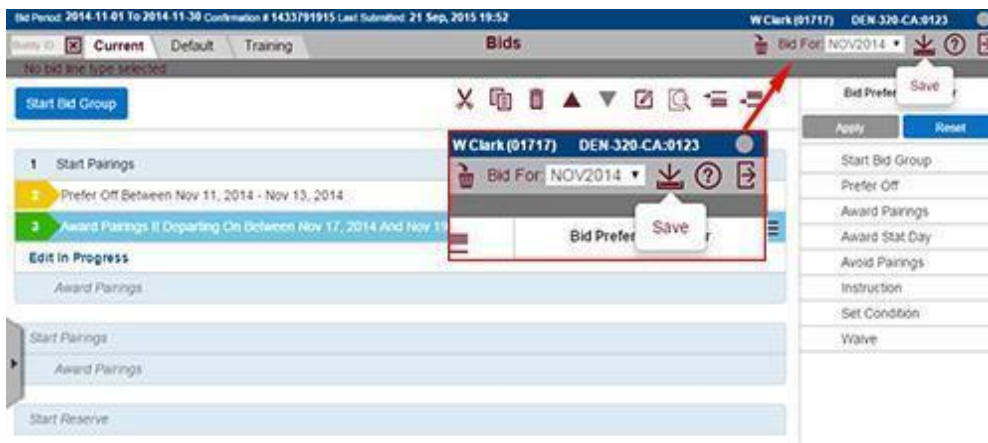
On-line Bids Screen



When you are online the circle in the top right corner is green. When online the **Submit** and **Sync Data** buttons are available.

3.2.J Off-Line Mode

Off-line Bids Screen



When you are offline the circle in the top right corner is gray. The **Submit** and **Sync Data** buttons are not available.

Use the **Save** button to make sure any changes you make to your bid are not lost. The **Save** button is only active if your changes are not saved. You are prompted to save any changes if you log out before saving your bid. It is important to log out of the bidding interface instead of closing the browser. There is no prompt to save your bid if you close the browser. If you are offline you cannot change your password or email.

3.2.K Navigation

When you log in you are taken to the Info screen, see [Info screen](#) for more information.

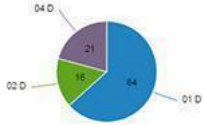
Bid Period: 2014-12-01 To 2014-12-31 Confirmation # 1403545598 Last Submitted: 27-Jan, 2016 19:43
 W Clark (01717) DEN-320-CA:0123

Information

Bidder Details



Name : W Clark
 Employee Number : 01717
 Languages :



Total Pairings Day Wise

DEN-320-CA

Seniority:	0123	Reduced Block:	No	Restricted Location:	
Eligible:	Yes	Restricted Equipment:		Restricted Positions:	
Line Check:	No	Training Seniority:	0123	Training Requirements:	
Airman:					
Stat Day Bank:	000:00				
Green:	No				
Shadow Dates:	2014-12-01 to 2014-12-31				

Bidding Information **Carry in Activities**

Posted on 24 Jul, 2015 14:28

--- > Test message for locked bidding period. <--- !@#5%^&'()*_+>

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The top blue header is visible from any screen. It always displays:

- start and end of the current bid period
- confirmation number of your last bid submission
- date and time of last submitted bid
- your name, category and seniority number
- online status, see [Off-line and On-line Mode](#) for more information

The gray header below the blue header changes to display information based on the screen you are using. The buttons vary depending on the screen and if you are on-line or off-line, see [buttons](#) for more information.

Use the panel on the left side of the screen to navigate to a screen. Depending on the size of your screen or browser the panel may collapse. Click on the arrow to make the panel appear and click it again to collapse.

Info Screen with Navigation Panel



3.2.L Scrolling

There are no scroll bars on the NAVBLUE PBS interface, so if there is more information than can fit on the screen:

Windows or Apple PC

- right-click and hold mouse down

Touch Screen

- tap and hold on the screen and swipe down

3.2.M Data Synchronization

You must sync data the first time you use the NAVBLUE PBS interface. You can't use the NAVBLUE PBS interface without syncing data. Also, multiple users can't use the NAVBLUE PBS interface on the same device, either on-line or off-line, unless they have synced their data.

Synchronization ensures that bid period information is up-to-date while the bid period is open. After bidding is closed and awards are published you must synch data to view your published results.

If you are connected to the internet the synchronization dialog appears every time you log in. Provided you are connected to the

internet, the  Sync Data button is available on each screen.

Synchronization Dialog

Automate on Start Up (A) - when selected, the synchronization process is automated and you don't have to click the Synchronization button. If you don't select this option you must click the Synchronize button when you log in or press the Sync Data button. The Synchronization dialog will close automatically when finished.



To save this or any setting you must click the application. If you close the browser it will not be saved.

Select Period(s) (B) - this lets you choose how many periods of data you want to sync.

Click on a period name (C) to select or deselect it from synchronization. The checkmark beside the name indicates that it will be synced.

Why sync past periods?

If you sync data from past periods you can see your bids and awards from previous periods. This can be useful when entering a current bid as you can see what you previously bid for and you can copy and paste bids from past periods.

3.2.N Reserve Types

What type of reserve do you have? An easy way to determine what type of Reserve you have is to look at the system generated bid groups. The examples below show an empty bid, however the system-generated bid groups are always present. You cannot edit or delete these groups.

3.2.N Reserve Call Types

Reserve Call Types are added to each person with assigned reserve days, and are edited using the Administrator User Interface, under the Config tab and Reserve sub-tab.

Schedule reports can be produced, and they include the block of time for each activity (typically a pairing, reserve or absence), "Start Time" and "End Time" to the time range. Schedule reports are produced in PDF format, accessible through the Administrator User Interface.

Files can also be exported in a variety of formats for importing into the customer's Day-Of system. These export files indicate which Reserve Call Type was assigned to each person in addition to the Start and End times.

View Reserve Call Types

To view the configured Reserve Call Types, navigate to Config > Reserve in the navigation tabs:

Name	Reserve Status	Export Code	Start Time	End Time	Category
AM1	Short	AM1	00:00	00:00	ANC-J
AM2	Short	AM2	00:00	00:00	ANC-J
AM3	Short	AM3	00:00	00:00	ANC-J
AM4	Short	AM4	00:00	00:00	ANC-J
AM5	Short	AM5	00:00	00:00	YYZ-F
AM6	Short	AM6	00:00	00:00	YVR-F
AM7	Short	AM7	00:00	00:00	ANC-J
LC1	Long	LC1	00:00	00:00	YYZ-F
LC2	Long	LC2	00:00	00:00	PDX-F
LC3	Long	LC3	00:00	00:00	ANC-J
PM1	Short	PM1	00:00	00:00	ANC-J
PM2	Short	PM2	00:00	00:00	YYZ-F
PM3	Short	PM3	00:00	00:00	YYZ-F
PM4	Short	PM4	00:00	00:00	YYZ-F
PM5	Short	PM5	00:00	00:00	YYZ-F
PM6	Short	PM6	00:00	00:00	PDX-F

Administrator: Navtech Admin Active Period: MAR2017

Call Types are listed, along with the settings for each in the respective columns:

- Name
- Reserve Status
- Export Code
- Start Time
- End Time
- Categories

Add a Reserve Call Type

To Add a Call Type:

1. Navigate to **Config > Reserve** in the navigation tabs
2. From the right side pane, select Add to add a new call type, or Edit to edit an existing Call type after selecting it from the main window. The Add Call

Type function displays:

N-Crew Planning

General Periods **Config** Crew Pairings Bid Manager R

Configuration for **MAR2017**

Categories Reserve Absence Codes Rules Other

Add Call Type

Details

Name

Reserve Status ☐ Long ☒ Short

Export Code

Start Time 0:00

End Time 0:00

Categories

Excluded

ANC-ALL-FA
ANC-DH4-CA
ANC-DH4-FO
ANC-E75-CA
ANC-E75-FO
BOI-ALL-FA
BOI-DH4-CA
BOI-DH4-FO
BOI-E75-CA
BOI-E75-FO
GEG-ALL-FA
GEG-DH4-CA

Applied

>> <<

Administrator: Navtech Admin Active Period: MAR2017

3. Enter the relevant information for the Call Type, or edit the pre-filled data:
 - Enter a **Name** for the call type of your choice.
 - Designate a **Reserve Status** by selecting either the **Long** or **Short** radio button of the respective choice.
 - Enter an **Export Code**.
 - Enter a **Start Time** or use the arrow buttons to step through time setting options.
 - Enter an **End Time** or use the arrow buttons to step through time setting options.

Note: If the **Start Time** field is “0:00” or “00:00”, it is assumed this is the start of the day. If the **End Time** field is “0:00” or “00:00”, it is assumed this is the end of

the day. If the **End Time** field is not “0:00” or “00:00”, the **Start Time** must precede the **End Time**.

4. Apply **Categories** to the Call Type by using the double arrow buttons to move the desired category from the **Excluded** pane to the **Applied** pane.
5. Click **Save**.

Standard Reserve

With standard reserve, reserve blocks are built outside of the NAVBLUE N-PBS system. You can have multiple pairing bid groups.

When you first go to your Current Bid, you will see the following bid groups.

Bid Period: 2014-12-01 To 2014-12-31 Confirmation # 1403543635 Last Submitted: 07 Jul, 2015 15:34 W Clark (3009)

Buddy ID ☒ **Current** Default Training Bids Bid For: Dec2014

Start Bid Group

Start Pairings

Award Pairings

Award Reserve Line

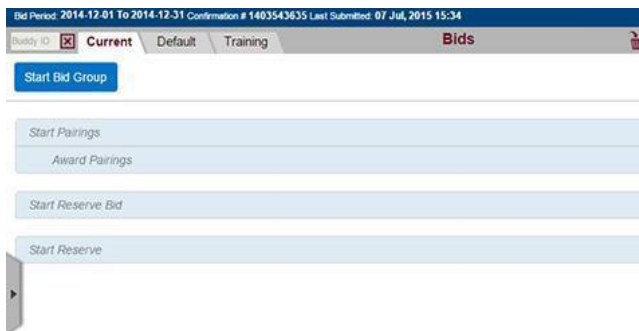
In Standard Reserve, the N-PBS Scheduler builds all pairing blocks first, in seniority order, for each crewmember that is awarded one. If you don't have a pairing block you are flagged as on reserve. Reserve blocks are built outside of the NAVBLUE N-PBS System. You can bid for a reserve block using the Award Reserve Line bid. Pairing bid groups must be placed above bids requesting a Reserve block.

You can have multiple Pairing and Award Line Reserve bid groups provided you have followed the restrictions set in place to ensure that your bid is processed correctly. See Bid Validation for more information.

Consecutive Reserve

With consecutive reserve, reserve blocks are built after pairing blocks. You can have multiple bid groups, but all Pairing Bid Groups come before all Reserve Bid Groups.

When you first go to your Current Bid, you will see the following bid groups.



In Consecutive Reserve, the N-PBS Scheduler builds all pairing blocks first, in seniority order, for each crewmember that is awarded one. If you don't receive a pairing block during the pairing awards processing, you are flagged as on reserve. A separate Reserve run is completed by the N-PBS Scheduler to build each crewmember flagged as on reserve, in seniority order, a Reserve block.

You can bid for a Reserve block using the Start Reserve bid bid group. Your Reserve block is built using the bid preferences inside of the Reserve bid group. Pairing bid groups are placed above bids requesting a Reserve block.

You can have multiple Pairing and Reserve bid groups provided you have followed the restrictions set in place to ensure that your bid is processed correctly. See Bid Validation for more information.

Concurrent Reserve

With concurrent reserve, reserve blocks are built at the same time as pairing blocks. You

can have multiple bid groups (of each type) in your bid.

When you first go to your Current Bid, you will see the following bid groups.



In Concurrent Reserve, the N-PBS Scheduler builds pairing and reserve blocks, in seniority order, at the same time. You can have multiple bid groups, Pairing or Reserve in any order provided that you have followed the restrictions set in place to ensure that your bid is processed correctly. See Bid Validation for more information.

3.2.N Buttons

The buttons on the top gray bar vary depending on what screen you are on and whether you are on or off-line.

The following table shows the buttons that are available from the top gray bar, a brief description of its function and screen location.

Button	Function	Screen
	Sync Data - loads the latest pairing and bid information.	All, if on-line
	Help - access help, send a log file to admin, change email and password, or see release info and version number.	All
	Log out - log out of the application. Remember to log out instead of closing	All

the browser to avoid losing changes.

Download Schedule - download your calendar in the ics file format. The into a number of calendar programs such as Outlook, Google Calendar and Apple iCal. Calendar Downloading the ics file from the Safari browser is currently not supported. You can download the file from another source and import into iCal.



Switch to flat calendar view. Calendar



Switch to square calendar view. Calendar



Print - print Pairings, Bids, Results and Reasons Reports. Pairings, Bids, Results and Training



Show/Hide Info - choose Pairings, the pairing information Bids and that is displayed. Training



Select/Deselect all Pairings - you must select a pairing before you can view the pairing report. Bids, Training
This button allows you to quickly select or deselect all pairings.

Sort By: Pairing Number ▼

Sort

By - choose how you want the pairings listed. Options are: Pairings, Bids and Training
Pairing Number, Check In/Out Time, Credit Value, TAFB, L/O Stations, Positions, Equipment and Days.



Sort pairings in descending order. Pairings, Results

and Training

Pairings, Results and Training



Sort pairings in ascending order



Bid for selected pairing - an award bid preference is added to your bid. The bid cannot be added if you don't have a Start Pairings bid group started. If you have multiple bid groups the Training bid is placed in the active Start Pairings bid group. The bid cannot be added if a Start Reserve bid group is active.



Bid to avoid selected pairing - an avoid bid preference is added to your bid. The bid cannot be added if you don't have a Start Pairings bid group started. If you have multiple bid groups the bid is placed in the active Start Pairings bid group. The bid cannot be added if a Start Reserve bid group is active. Pairings, Results and Training



View the pairing or training report for the selected pairing or pairings. You must first select a pairing before viewing a report. You can select multiple pairings or use the Select All Pairings button. Pairings, Results and Training



Open the Pairing or Training Preferences editor. The Pairing/Training Pairings and Training

Preferences editor allows you to narrow your search based on most of your Award and Avoid bid preferences. If the screen on your device or monitor is large enough and you have your browser at full screen you may not see this button. On larger screens the Pairing/Training Preferences editor is always present.



Toggle between the dates view and pairing information view. See [Information View and Dates View](#) for more information.



Delete All - delete your Bids and entire bid. Training

Bid For: NOV2014 ▼

Bid For:-

drop-down menu to change the Bids bid period.



Submit - submit your bid.

You can submit your bid Bids and as many times as you Training want until bidding closes.



Save - save your bid. This does not submit your bid.

Remember to log out instead of closing the Bids and browser to avoid losing Training changes. All changes are lost if you close the browser before saving changes.

Results For: Nov2014 ▼

Results For: - use the drop-down Results menu to view results from past periods.

Info Screen

Chapter 04

4.1 Info Screen

The info screen is the first screen you see when you log in.

Info screen

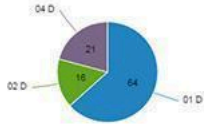
Old Period: 2014-12-01 To 2014-12-31 Confirmation # 1403545598 Last Submitted: 27 Jan, 2016 19:43 W Clark (01717) DEN-320-CA-0123

Information

Bidder Details



Name: W Clark
Employee Number: 01717
Languages:



Total Pairings Day Wise

DEN-320-CA

Seniority: 0123	Reduced Block: No	Restricted Location:
Eligible: Yes	Restricted Equipment:	Restricted Positions:
Line Check: No	Training Seniority: 0123	Training Requirements:
Altman:		
Stat Day Bank: 000:00		
Green: No		
Shadow Dates:		

Bidding Information

Posted on 28 Jan, 2016 14:12
Welcome to the new PBS Bidder interface!!!!

Carry in Activities

D4538C

- ✈ DEN 07 Nov, 2014 11:04 UKN 211
- ✈ DAY 07 Nov, 2014 15:21
- ✈ DAY 08 Nov, 2014 06:44 UKN 250
- ✈ DEN 08 Nov, 2014 07:55

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The Info screen contains important information that can assist you when you are creating your bid.

This page breaks the Info screen into the 4 main sections.

[Bidder Details](#)

[Pairing Distribution](#)

[Bidding Information](#)

[Carry-in Activities](#)

4.1.A Bidder Details

Bidder Details



Name: W Clark
Employee Number: 01717
Languages:

DEN-320-CA

Seniority: 0123	Reduced Block: No	Restricted Location:
Eligible: Yes	Restricted Equipment:	Restricted Positions:
Line Check: No	Training Seniority: 0123	Training Requirements:
Altman:		
Stat Day Bank: 000:00		
Green: No		
Shadow Dates:		

This section is all about you. It contains all your information as it pertains to bidding. The information displayed here varies based on your company's requirements. Contact your administrator if anything is incorrect or if you have further questions.

4.1.B Pairing Distribution



The pie chart gives you a quick glance at pairing distribution for the active bid period. Pairings are broken down by length in days. In this example there are 64 one day pairings, 16 two day pairings and 21 four day pairings.

4.2.C Bidding Information

Bidding Information

Posted on 29 Jan, 2016 14:53

Bidding Opens: 04/12 1200 Z

Bidding Closes: 11/12 1200 Z

Credit Windows:

Normal: Min 70 - Max 85

Reduced Block: Min 45 - Max 65

Posted on 28 Jan, 2016 14:12

Welcome to the new PBS Bidder interface!!!!

This section is controlled by your administrators. Your administrators, using the Admin interface, have the ability to post messages they want to convey to you.

4.2.D Upcoming Activities

Upcoming Activities

D4022	✈ DEN 03 Oct, 2014 12:24 UKN 580
	✈ DEN 03 Oct, 2014 19:20
D4022	✈ DEN 04 Oct, 2014 11:54 UKN 584
	✈ DEN 04 Oct, 2014 19:04
D4022	✈ DEN 10 Oct, 2014 12:06 UKN 563
	✈ DEN 10 Oct, 2014 19:03
D4022	✈ DEN 11 Oct, 2014 13:09 UKN 626
	✈ DEN 11 Oct, 2014 20:06
D4033	✈ DEN 15 Oct, 2014 12:34 UKN 595
	✈ DEN 15 Oct, 2014 20:25

This section displays a list of up to five of your next activities.

Calendar Screen

Chapter 05

5.1 Calendar Screen

The Calendar screen displays your activities for the month and your rolling 365 day total block value (if you have it configured). These can be carry-in or in-period activities (pairings, training, vacation, etc...). Absences and pairings are labeled.

These activities are imported by your administrator prior to the open of the bid period. You should view your calendar before you create your bid, however you can see what days are unavailable to you when you are searching and bidding for pairings.

You can view your awards once your administrators have published them.

5.1.A Top Gray Bar

See [Buttons](#) for a list of the buttons on each screen and their function.

The gray bar near the top of the screen displays the date and includes the total in-period credit for the current bid period.

Gray Bar



There are two calendars on the Calendar screen, and horizontal and vertical one.

5.1.B Horizontal Calendar

The horizontal calendar runs along the top of the screen. Dates that have pairings and absences are circled, pairings have a blue background and absences have a yellow background. The arrows beside the bid period date allow you to move to different bid periods.

Horizontal Calendar



5.1.C Square or Flat Calendar

The calendar gives you two views to see more information on the activities assigned to you. It displays the start and end time of the activity and its credit. Carry-in activities display total and in-period credit. You can click on the pairing number or the icon beside it to view the pairing report. Your rolling 365 day block is displayed below each date. This information is imported by you administrator and may be a 0 if it doesn't apply to your operation.

Toggle Calendar View

The first button in the row lets you choose how you want the calendar to display. You can toggle between views at any time when you are on the calendar screen. See [Buttons](#) for a list of the buttons on each screen and their function.

Vertical Calendar

Sat.01 [1007-24]	N5604A				
Sun.02 [1010-25]	N5604A				
Mon.03 [1016-26]	N5604A			C/O: 20:14	Total Credit: 000.00 I/P Credit: 015.22
Tue.04 [1016-26]					
Wed.05 [1016-26]					
Thur.06 [1016-26]	6D		Start: 00:00		
Fri.07 [1011-21]	6D				
Sat.08 [1008-09]	6D		End: 23:59		I/P Credit: 004.30

Pairing Screen

Chapter 06

6.1 Pairings Screen

See [Buttons](#) for a list of the buttons on each screen and their function.

Pairing Screen

Pairing Number	Check-In	Check-Out	Credit Value	Calendar (Days 1-30)	Pairing Preferences
A4002	05:40	15:40	006:40	FAFO 319	01 Day
A4003	05:40	15:40	006:40	FAFO 319	01 Day
A4005	05:40	15:40	006:40	FAFO 319	01 Day
A4006	05:40	15:40	006:40	FAFO 319	01 Day
A4008	07:25	17:34	008:06	AABBFAFBFD 319	01 Day
A4021	09:55	20:15	007:58	AABBFAFBFD 320	01 Day
A4022	10:05	20:30	008:00	AABBFAFBFD 319	01 Day
A4721	18:34	21:09	022:06	AUS,SNA,SDM FA 319,318,320	04 Day*
A4723	18:34	21:09	022:06	AUS,SNA,SDM FA 319,318,320	04 Day*

You can customize the pairing information that is displayed. You can view the information that is relevant to you in making your decision to bid for or avoid a pairing.

6.1.A Search for Pairings

To search for pairing filters:

1. Click on the  show filter button if you can't see the Pairing Preferences editor.
2. On the **Pairing Preference** editor select your search criteria. See Pairing Preference Editor for more information.
3. Click **Apply** to search for pairings
4. Click **Reset** to perform another search.

6.1.B Before You can Add Bid Preferences from the Search Screen

You can bid for or avoid pairings from the Pairing search screen.

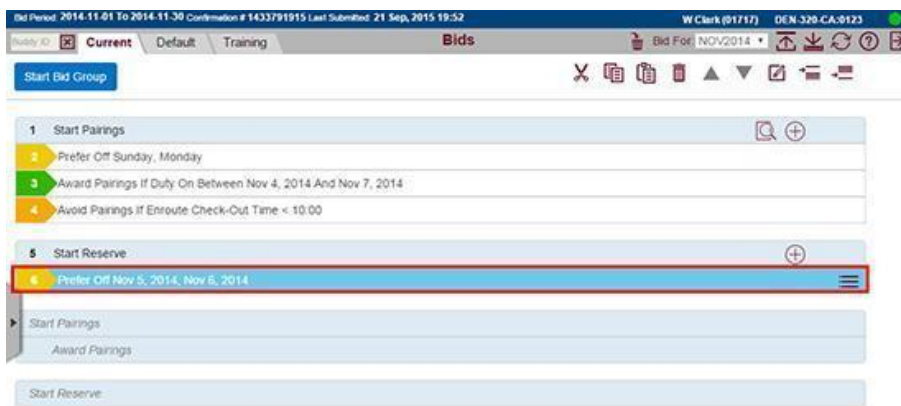
Before you can add a bid you must have an active **Start Pairings** bid group in your bid.

Active Start Pairings Bid Group



The blue highlighted bid indicates that it is the active bid group (highlighted by red box in the screenshot). Click on the bid 1, Start Pairings to highlight the entire bid group. If you have multiple Start Pairings bid groups the bid is entered in the active one below the highlighted bid.

Inactive Start Pairings Bid Group



The inactive Start Pairings bid group screenshot shows an inactive Start Pairings bid group. The first bid in the Start Reserve is highlighted blue (shown with red box).

The following error message is displayed if you attempt to add a bid without an active Start Pairings bid group.

Your current bid selection is not compatible with new Award/Avoid Pairings Bid Preference. Please adjust your selection and try again.

6.1.C Add a Bid from the Search Screen

You have two options, you can add a bid preference that has the same options as your search or you can add a bid preference with pairing numbers returned from the search results. This topic shows how to add a bid preference using both options.

You can add bids to your Current, Default or Training bid.

To add an Award or Avoid Bid:

1. Add a Start Pairings bid group from the Bids screen. See [Before You Can Add a Bid](#) for important information before adding a bid from the Search screen.
 - Select a bid in the Start Pairings bid group. The bid preference selected is highlighted blue. The new bid preference is added below the highlighted bid.

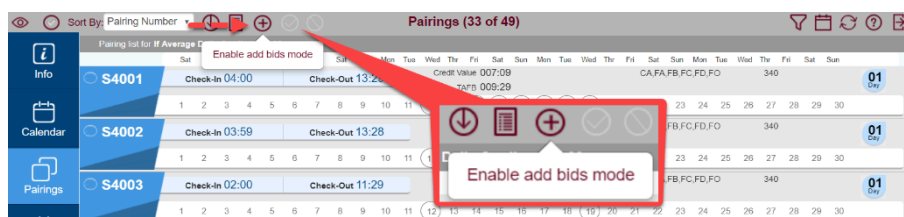
2. Go to the Pairings screen.
3. Perform a search using any options you choose (you don't have to perform a search to bid for pairing numbers).

Add a Bid Preference with Search Options

If you want to add a bid preference with pairing numbers skip to step 8.

1. Click on the red plus button beside the grey Award and Avoid buttons in the top menu bar.

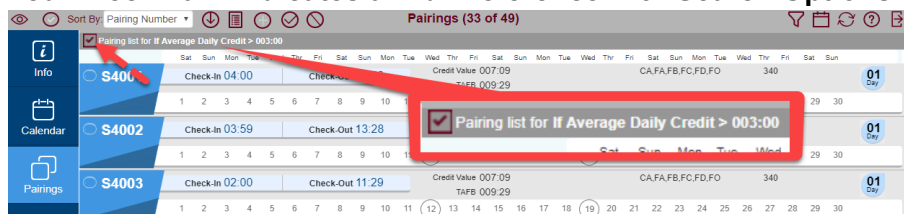
Enable Add Bids Mode Button



Clicking on the enable bids mode button enables add bids mode and the Award and Avoid buttons beside it. When bids mode is enabled, the red plus inside of the button becomes grey. Also when you enable bids mode a checkbox is displayed beside your search options. The default is disabled, you must click on the check box to add a bid preference that contains the search options. The grey checkmark turns red when enabled.

2. Click on the checkmark beside the search options displayed.

Red Checkmark Indicates a Bid Preference with Search Options can be Added



3. Click on the  Award button to add an Award Pairings If Average Daily Credit > 003:00 bid preference. A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

OR

Click on the  Avoid button to add an Avoid Pairings If Average Daily Credit > 003:00 bid preference. A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

Bids Added to Start Pairings Bid Group

Start Bid Group

1	Start Pairings	 
2	Award Pairings If Average Daily Credit > 003.00	
3	Avoid Pairings If Average Daily Credit > 003.00	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve		

Add a Bid Preference with Pairing Numbers

If you have not performed a search, you can start at step 9. Please take note of step 8 if you have performed a search.

1. Enable add bids mode, see step 4.
2. Make sure that the checkbox beside the search options is disabled (grey). Click the checkmark beside the search options, if it is enabled (red, see step 5). The checkbox must be disabled, grey to add a bid preference with pairing numbers. If the checkbox is enabled and you select a pairing number the bid with search options will be added.
3. Click the circle beside a pairing number. You can select one or multiple pairings.

Pairing Selected

 S4001 Check-In 04:00 Check-Out 13:29 Credit Value 007:09 CA,FA,FB,FC,FD,FO 340 	 S4002 Check-In 03:59 Check-Out 13:28 Credit Value 007:09 CA,FA,FB,FC,FD,FO 340 
---	---

4. Click on the  Award button to add an Award Pairings if Pairing Numbers XXX bid preference (XXX being the pairing number you selected). A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

OR

Click on the  Avoid button to add an Avoid Pairings if Pairing Numbers XXX bid preference (XXX being the pairing number you selected). A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

A confirmation message is displayed to let you know that the bid has been added.

Bid Added to Start Pairings Bid Group



6.1.D Add a Pairing Number Departing on Date Bid from the Pairings Screen



You must have the Pairing On Dates bid to add a pairing on date from the Pairings screen. If you don't have the bid you can't click on a pairing on date in the pairing report. See [add a bid from pairings screen](#) for instructions on how to add bids from the Pairings screen..

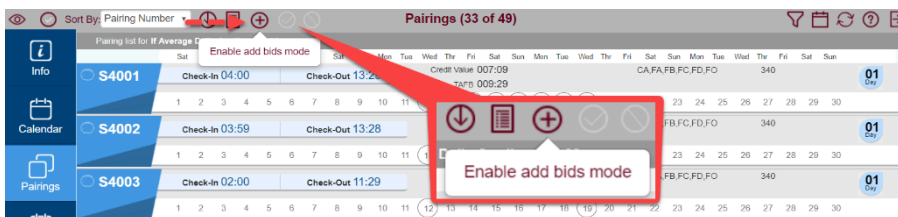
You have two options, you can add a Pairing Number Departing On Date bid preference or you can add a bid preference with pairing numbers returned from the search results (see [add a bid from pairings screen](#)). This topic shows how to add a Pairing on Date bid preference.

You can add this bid to your Current and Default bid.

To add an Award of Avoid Bid:

1. Add a Start Pairings bid group from the Bids screen. See [Before You Can Add a Bid](#) for important information before adding a bid from the Search screen.
- Select a bid in the Start Pairings bid group. The bid preference selected is highlighted blue. The new bid preference is added below the highlighted bid.
2. Go to the Pairings screen.
3. Optional, perform a search using any options you choose to narrow down the number of pairings in the list.
4. Click on the red plus button beside the grey Award and Avoid buttons in the top menu bar to enable **Add Bids Mode**.

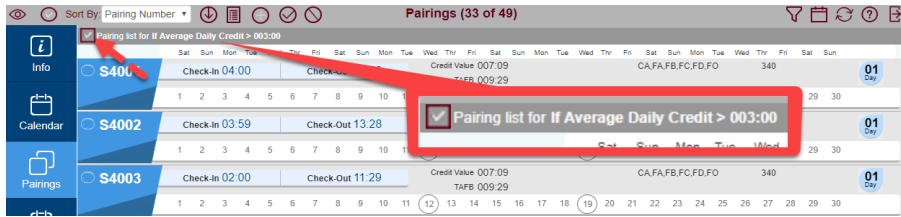
Enable Add Bids Mode Button



Enabling **Add Bids Mode** enables the Award and Avoid buttons beside it. When Add Bids Mode is enabled, the red plus inside of the button becomes grey and a checkbox is displayed beside your search options. The grey checkmark turns red when enabled.

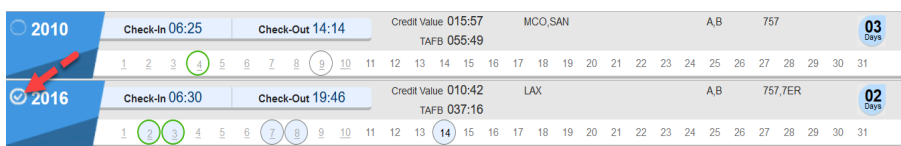
5. Disable the pairing filtered award checkbox. The checkmark inside the box is grey when disabled. If you don't disable the checkbox, the bid with search options is added. This box is only displayed if you have performed a search.

Grey Checkmark Indicates That It Is Disabled



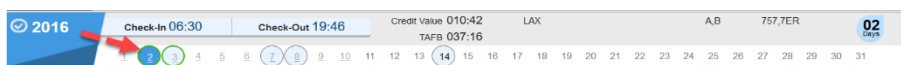
- Click the circle beside a pairing number that you want to bid for. You can select one or multiple pairings. Notice that the background on the circled dates in pairing number 2016 has a different color than pairing number 2010. This indicates that you can click select it. The green circle indicates that it matches the search criteria.

Pairing Selected



- Click on a pairing on date in the pairing report for the pairing you selected in step 6. Note: If you don't complete step 6 you cannot select a pairing. Once a pairing date is selected its background becomes darker.

Pairing On Date Selected



- Click on the  Award button to add an Award Pairings If Pairing Number XXXX If Departing On Date XXXX bid preference. A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

OR

- Click on the  Avoid button to add an Avoid Pairings If Pairing Number XXXX If Departing On Date XXXX bid preference. A confirmation message, with the bid preference that has been added, is displayed. Read the message to ensure the bid preference you want is added. Click OK to continue.

Bids Added To Start Pairings Bid Group

Start Bid Group

✂️ 📄 🗑️ ▲ ▼ ✎ 🔍 ➕ ➡️

- 1 Start Pairings 🔍 +
- 2 Award Pairings If Pairing Number 2016 Departing On Dec 2, 2014, 2016 Departing On Dec 2, 2014 ☰
- 3 Avoid Pairings If Pairing Number 2016 Departing On Dec 2, 2014, 2016 Departing On Dec 2, 2014

Award Pairings

Start Pairings

Award Pairings

Start Reserve

6.1.E Pairing/Bid Preference Editor

This section describes how to enter criteria to search for pairings and add bid preferences. For information on how to search for pairings or add a bid, see [Search for Pairings](#) or [Add a Bid](#).

There are many ways to enter criteria for searches and to add options to your bid preferences. This list doesn't cover all of the bid preferences but it does cover all of the methods that you will require to enter criteria.

When you open the Pairing Preferences editor on the Pairings screen or the Bid Preference Editor on the Bids screen you will see the list of options to either start a search or add a bid group or bid preference.

Pairing Preferences	Bid Preference Editor
Apply Reset	Home Close
Aircraft Type	Apply Reset All
Average Daily Block Time	Start Bid Group
Average Daily Credit	Prefer Off
Carry Out	Award Pairings
Charters	Award Stat Day
Credit Per Time Away From Base As Percent	Avoid Pairings
Deadhead Day	Instruction
Deadhead Legs	Set Condition
	Waive

The **Home** button returns you back to this list but it leaves your last selection checked. If you were adding a Prefer Off bid you would come back here with it selected.

✓ Prefer Off

The **Close** button closes the Bid Preference Editor.

The **Apply** button performs your search or adds your bid preference. The **Apply** button remains gray until you have entered the proper criteria. Red text at the top of the bid explains what criteria you are missing to search or add a bid. On the pairing screen, white text, above the list of pairings explains what criteria you are missing to perform a search. For example if you want to search for or add Depart On dates and haven't entered any dates you cannot select the **Apply** button. When the **Apply** button is blue you can click on it to add the search criteria or bid.

The **Reset All** button returns you back to this list but it removes your last selection checked.

Entering Criteria in Search Fields

Results are returned as you enter numbers or text in the search field. Click on item in the list to add it. You can click on multiple items.

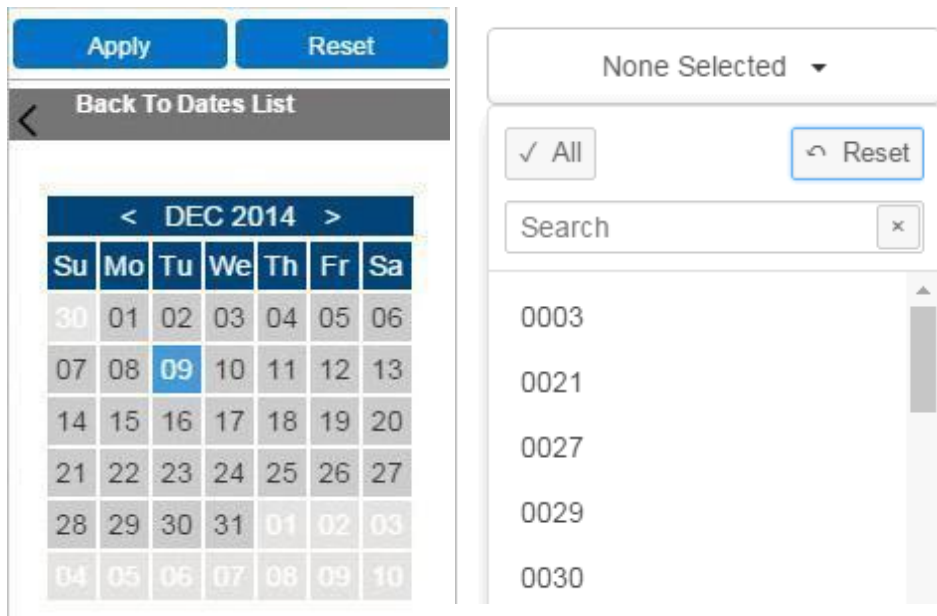
Times and Numbers

Apply	Reset	Apply	Reset
Back To Pairing Preferences		Back To Pairing Preferences	
Exactly =		Exactly =	
000:00		0	
000 00		0	

Apply	Reset
Back To Pairing Preferences	
Range	
Between	
000:00	
And	
000:00	

Use the arrows to move numbers up or down or type directly in the field.

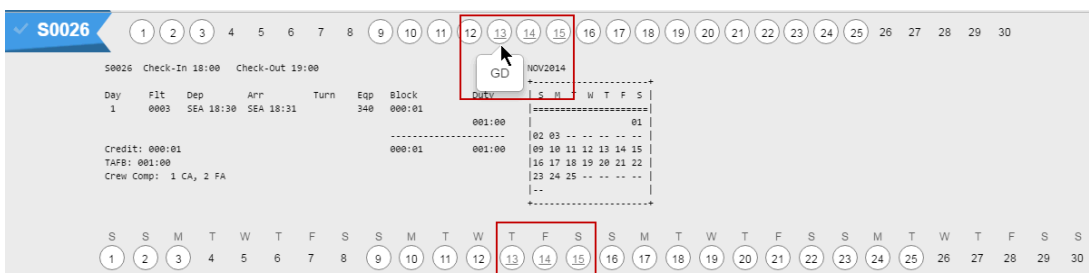
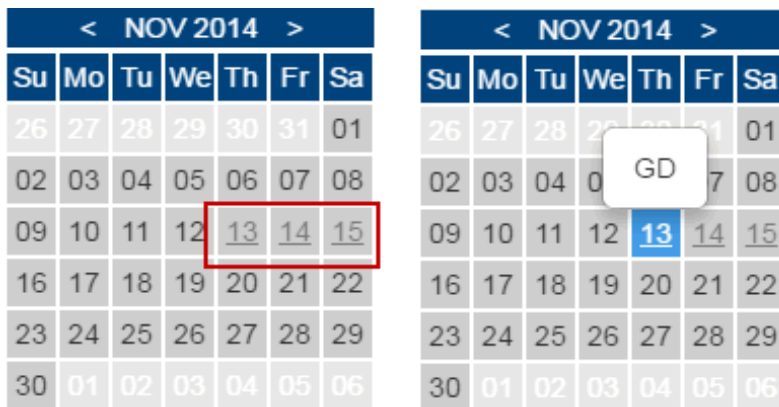
Calendar and Lists



1. Click on a date to add a single date.
2. Click on a start and end date to add a range of dates.
3. Click on the day of the week to add a single day or the week.
4. Click on a start and end day of the week to add a range.

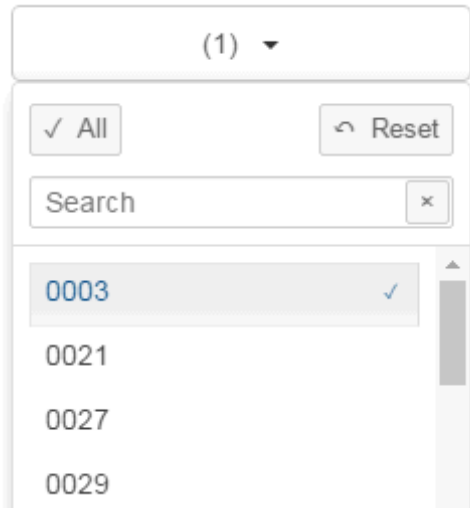
Dates with Activities - Dates where you have an assigned activity are underlined and greyed out.

You can tap or move your mouse or an activity to view the activity code.



1. Click on the header above the list (labelled None Selected shown above) to open the list.

2. Click on an item in the list to select it.
3. As you click on items, the number of items selected will replace the text None Selected text and the item selected will be highlighted and have a checkmark beside it.
4. You can remove a single item from the list by clicking on it again or you can click the **Reset** button to remove all items.
5. Click **All** to select all of the items in the list.



6.1.F Show/Hide Information

See Buttons for a list of the buttons on each screen and their function.

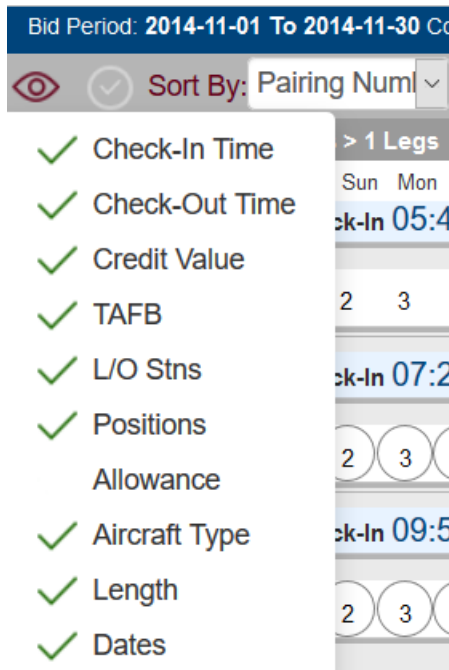
When you are in the Information view you can choose the pairing information you want to display. Click on the Show/Hide Info button to change the information displayed. When you click on the button the panel (shown below) is displayed.

Show/Hide Panel

- ✓ Check-In Time
- ✓ Check-Out Time
- ✓ Credit Value
- ✓ TAFB
- ✓ L/O Stns
- ✓ Positions
- Allowance
- ✓ Aircraft Type
- ✓ Days

The green arrow indicates that the information is currently displayed. Click the green arrow to hide the information. No check mark beside an item indicates that the information is not currently displayed. Click beside the item to display it in the information view.

6.1.G Sort Pairings



You can choose to sort pairings by Pairing Number, Check-In Time, Check-Out Time, Equipment, or Days. Use the **Sort By:** drop-down menu to make your selection.

When you have your list of pairings you can sort them in ascending or descending order.



Sort pairings in descending order.

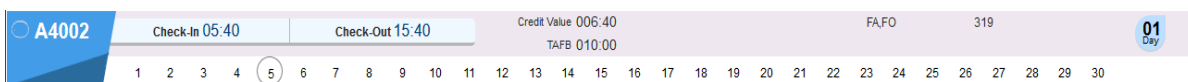


Sort pairings in ascending order.

6.1.H Information View and Date View

Lorem You can switch between a table and date view on the Pairing screen. The information view gives you a more detailed look at the pairing while the date view lets you know what day the pairing starts. You can customize what you see in the table view, see customize the table for more information.

Information View



Dates View



The dates view shows you the start date of the pairing. Pairing D4004 starts every day except the 31st, this is indicated by the circle around the date. If you look at the screen shot you can see that the dates on the 1st and 2nd are grayed out. This indicates you are unavailable for these dates, either absence, training or carry-in. Your calendar also displays the dates that you have activities.

Use the  calendar button to toggle between the information and dates view.

Dates with Activities - Dates where you have an assigned activity are underlined and greyed out. You can tap or move your mouse on an activity to view the activity code.

Dates with Activities

✓ S0026	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
✓ S0035	1	2	3	4	5	6	7	8	9	10	11	12	13	GD	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

6.1.1 View Pairing Reports

To view pairing reports in the list of pairings:

1. Click on a pairing number.
2. Click on multiple pairing numbers to view multiple reports. Click on the pairing number again to collapse the report.

To view pairing reports on a new screen.

1. Click on the white check mark beside a pairing or multiple pairings.
2. Click on the Pairing Report button .
3. The report or reports for the selected pairings open in a new window.

Dates with Activities - Dates where you have an assigned activity are underlined and greyed out.

You can tap or move your mouse on an activity to view the activity code.

Dates with Activities

○ L4001	Check-In 09:11		Check-Out 17:18		Credit Value 006:10		FA,FB		380		01 Day	
					TAFB 008:07							
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												
○ L4002	Check-In 11:18		Check-Out 19:10		Credit Value		FA,FB		380		01 Day	
					TAFB							
GS												

Bids Screen

Chapter 07

7.1 Bids Screen

The Bids screen is where you enter and submit your bid.

Bids Screen

For additional information on bidding, see:

- [Add a Bid](#)
- [Edit a Bid Group or Bid Preference](#)
- [Bid Screen Buttons](#)

Before Entering a bid you may want to review:

- [Reserve Types](#)
- [Bid Types](#)

7.1.A Bid Types

There are 3 bid types Current, Default and Training. The background color varies based on the type.

Use the tabs to switch between the Current, Default and Training Bids.

Current Bid

You can edit and submit your Current bid while the bid period is open. The current bid has a white background. You can submit your Current bid as many times as you want while bidding is open.

Default Bid

You can edit and submit your Default bid at any time, as many times as you want, unless your administrator has locked the system. The Default bid has a yellow background.



Typically, a Default bid is used if you don't plan on submitting a Current bid every month. Your Default bid carries over from month to month if you don't submit a Current bid. Bid preferences are typically a little more generic in Default bids. For example, instead of bidding for specific dates you may bid for days of the week off. If you bid for specific dates it is only used in the month it is applicable. For example, the bid, Award Pairings If Depart On July 25, July 26 is used only in July, in other months it is ignored.

It is also a good idea to have a default bid submitted as a back up in even if you plan on submitting a Current bid every month. This will ensure you have a bid submitted in case you forget to submit one for the current period.

Training Bid

You can edit your Training bid at any time unless your administrator has locked the system.



7.1.B Bids Screen Buttons

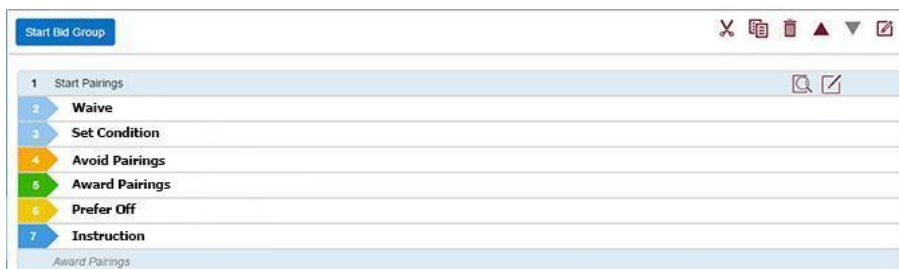
The following table shows the buttons that you will need to use to create, edit and analyze your bid preferences.

Button	Function
	Remove the bid preference and save it to the clipboard.
	Copy - copy a bid preference to the clipboard.
	Paste copied or cut bid preference.
	Delete the selected bid preference.

	Move selected bid preference up. The button is inactive if the preference can't be moved.
	Move selected bid preference down. The button is inactive if the preference can't be moved.
	Open or close the Bid Preference Editor. You must have a bid group started.
	Open the Bid Preference Editor.
	Add a bid preference above the selected bid preference.
	Add a bid preference below the selected bid preference.
	This button is only accessible if you have selected a bid preference. This button opens a list that allows you to cut, copy, delete, edit, or analyze a bid.
	Open the bid analyzer with pairing reports below the bid.
	Show bid analyzer results in your bid.
	Show/Hide analyzer information. Use this to customize the information that is displayed.

7.1.C Bid Preference Colors

Each bid preference has a color associated it with it.



7.1.D Add a Bid Group and Bid Preference

Before you can add a bid preference you must add a bid group. This section illustrates how to add a bid group and a bid preference inside of it. This tutorial shows you how to add a Start Pairings bid group and add an Award Average Daily Credit bid inside of it.

Regardless of your reserve type, adding a bid group and bid preference is the same. See [Pairing Preference Editor](#) for information on how to add options to bids.

1. Go to the **Bids** screen.
2. Select Bid Type - **Current** or **Default**
3. Click on the **Start Bid Group** button
4. Click **Start Pairings**



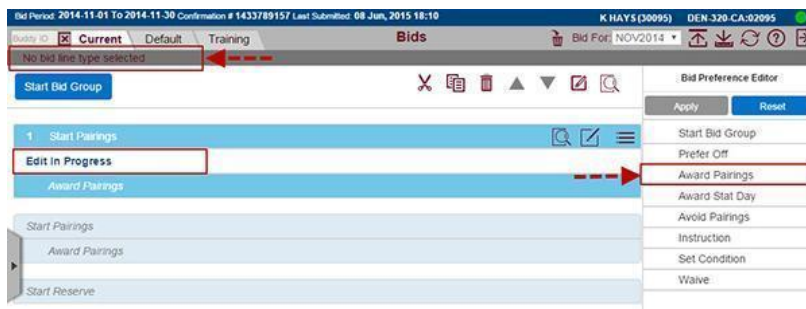
The Start Bid Group editor opens.



5. Click Apply.

The Bid Preference Editor opens.

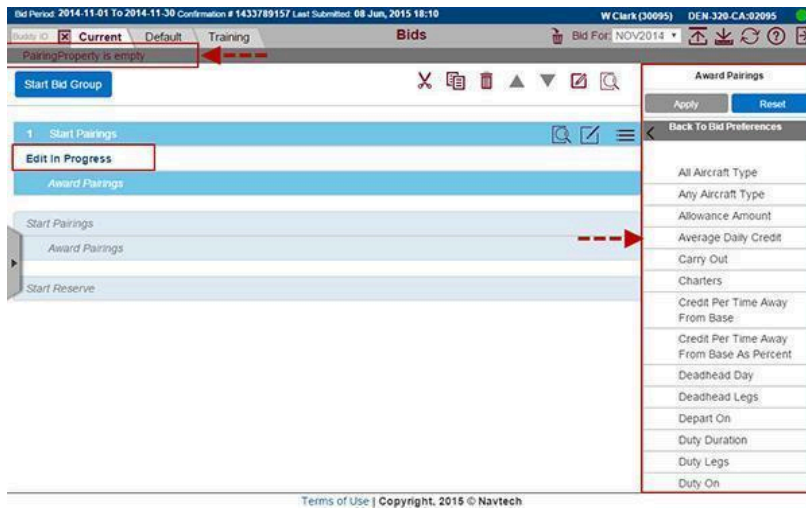
6. Click on **Award Pairings**.



The **Apply** button is inactive because you haven't selected enough criteria for the bid yet. There is also a message above the **Start Bid Group** button to indicate what is missing.

Notice that **Edit in Progress** is displayed while you are adding your bid.

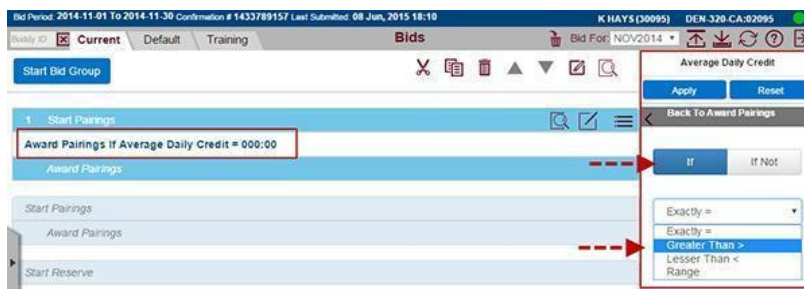
6. Click on **Average Daily Credit**.



The **Apply** button is inactive because you haven't selected enough criteria for the bid yet. There is also a message above the **Start Bid Group** button to indicate what is missing.

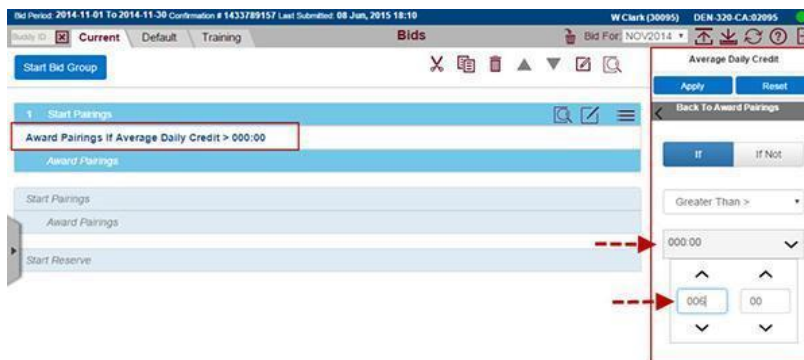
Notice that **Edit in Progress** is displayed while you are adding your bid.

7. Choose **If** - If is the default selection and If Not is not available in all configurations.
8. Select **Greater Than >** from the drop-down menu.

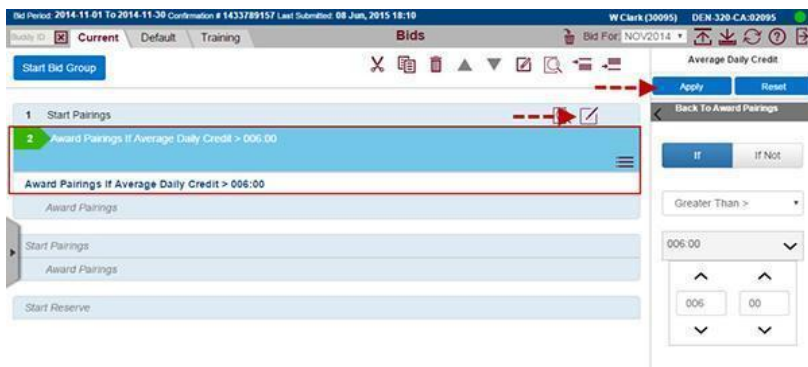


Editing in Progress has changed to the bid preference selected.

9. Click on the **000:00** drop-down menu.
10. Use the arrows beside each field or use your keyboard to enter a time.



11. Click **Apply**.



The preference is added to your bid. If you want to add more bids click on Reset to return to the Bid Preference Editor. Edit in Progress is displayed when you return to the editor.

Click on the  editor button to close the Bid Preference Editor.



Bid preference added and the Bid Preference Editor is closed.

7.1.E Edit/Move/Delete a Bid Group or Bid Preference

See [Buttons](#) for a complete list of buttons and their functionality available on each screen.

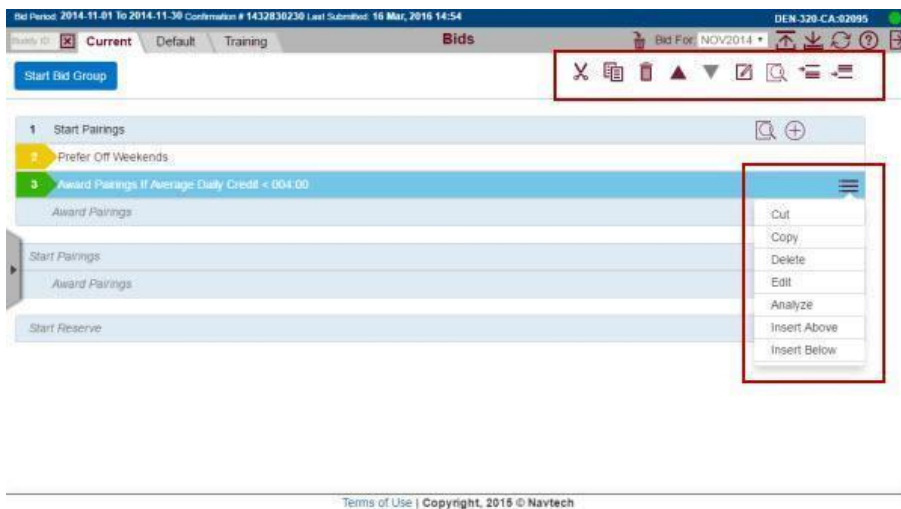
See [Copy a Bid](#) for instructions on how to copy bids.

See [Select Bid Groups and Bid Preferences](#) for instructions on to select bids.

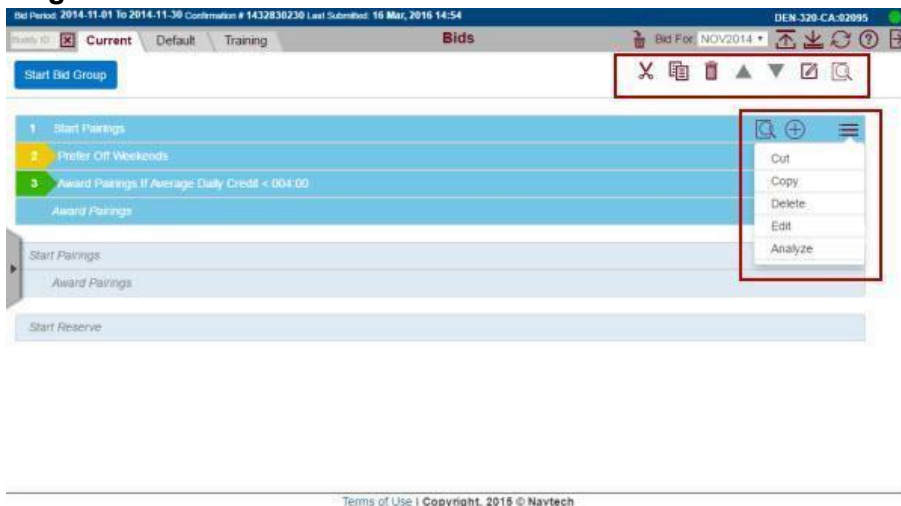
Once you have your bid group or preference selected use the buttons on the top right or click the  menu button to access a list of actions. The menu button only appears once you have made a selection. These buttons allow you to cut, copy, paste, move, delete or edit a bid group or preference.

See below for more information on editing a bid.

Bid Group Selected



Single Bid Preference Selected



Editing a Bid Group

You can edit Pairings bid group to change it to an RLL or a Split Duties bid group (if you are configured for RLL or Split Duties) or change it the other way. You cannot change a Pairings bid group to a Reserve bid group or change a Reserve bid group to a Pairings bid group.

Edit Mode

Edit Mode allows you edit multiple bids, one at a time, without having to select the edit button every time you select a bid. When you are in Edit Mode any bid group or preference you select will be edited if you make any changes to it until you exit Edit Mode. When you have exited Edit Mode you can add new bid groups or preferences by reopening the editor.

There are two ways you can enter Edit Mode:

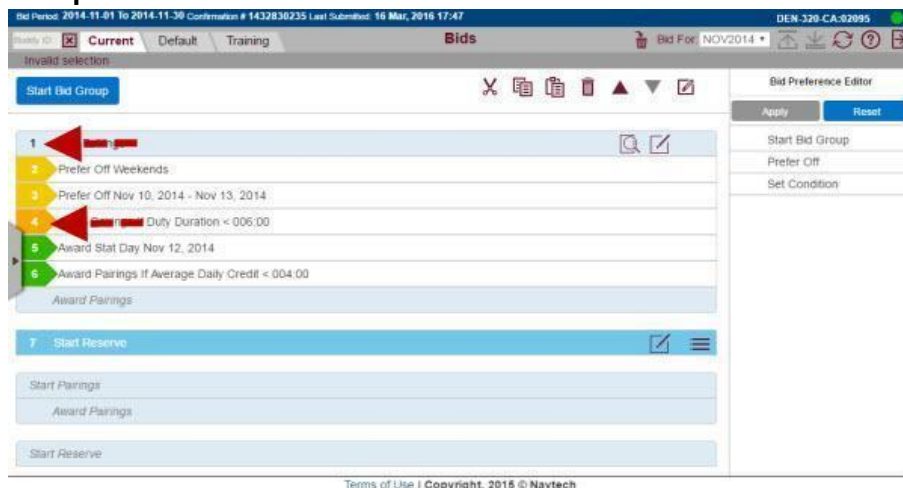
- if the Bid Preference Editor is closed select  - **Note**, if the Bid Preference Editor is open this button will close the editor

- click on the  menu button and select Edit from the list of options
- There are three ways to exit Edit Mode:
- click on the Close button in the editor to close it
- click on the  button in the top menu to close the editor
- click on either the  or  to add a bid above or below the bid selected

7.1.F Select Multiple Bid Groups or Bid Preferences

Click on the individual bid numbers to select multiple bid groups or preferences.

Multiple Selections



From the multiple selections screen shot, you would need to click on bid 1 and 7 to select both bid groups. You will lose all of your selections if you have multiple preferences selected and click on the bid text.

7.1.G Copy Bid Groups and Bid Preferences

This section describes how to copy bid groups and bid preferences.

You can copy bid groups and bid preferences from:

- within your Current and Default bids
- your Current to your Default bid or the other way around
- bid preferences from a Pairing to Reserve bid group or the other way around



You cannot copy all bid preferences from a Pairing to a Reserve group, for example, you cannot copy an Award Pairings bid preference to a Reserve group. If a bid preference cannot be copied and pasted, the Paste options will not be enabled, see steps below.

You may want to review how to select bids groups and preferences [here](#) before reviewing these steps.

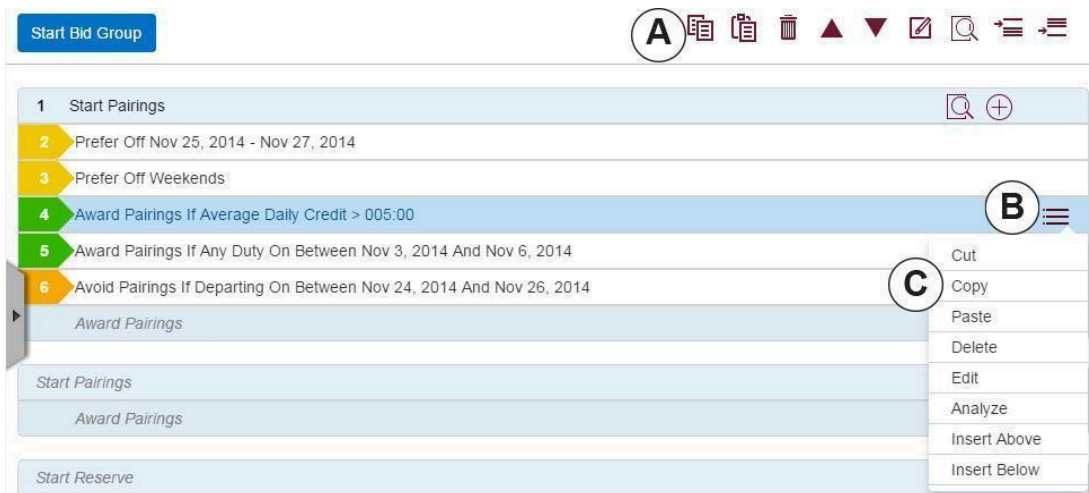
Copy Bid Preferences

1. Click on the bid number beside the bid that you want to copy. In the screenshot below, bid 4 is selected. Repeat this step for each bid you want to copy. Click on the bid number again or click outside of the bid number to deselect it.



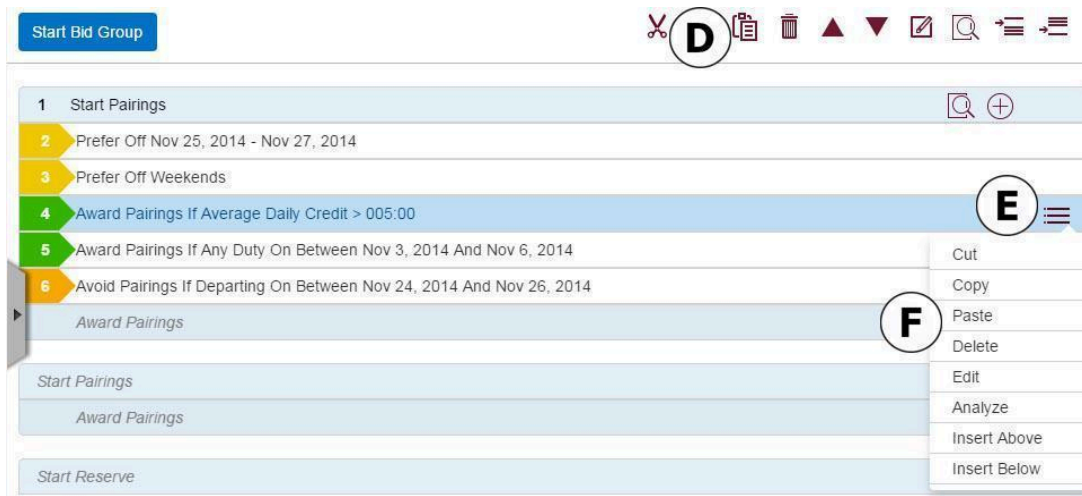
Once selected, the bid preference is highlighted.

2. Copy the bid preference(s).



There are two ways to copy a bid preference:

- a. Click the Copy (A) button in the row of buttons near the top of your bid.
- OR**
- a. Click the menu button (B) in the same row as the Start Pairings/Reserve that you want to copy.
 - b. Select Copy (C) from the drop-down menu.
3. If you already have multiple bid groups, click in your bid where you want to paste your bid. You can use the arrow buttons to move the bid group after you have pasted it.
 4. Paste the bid group.



There are two ways to paste a bid group:

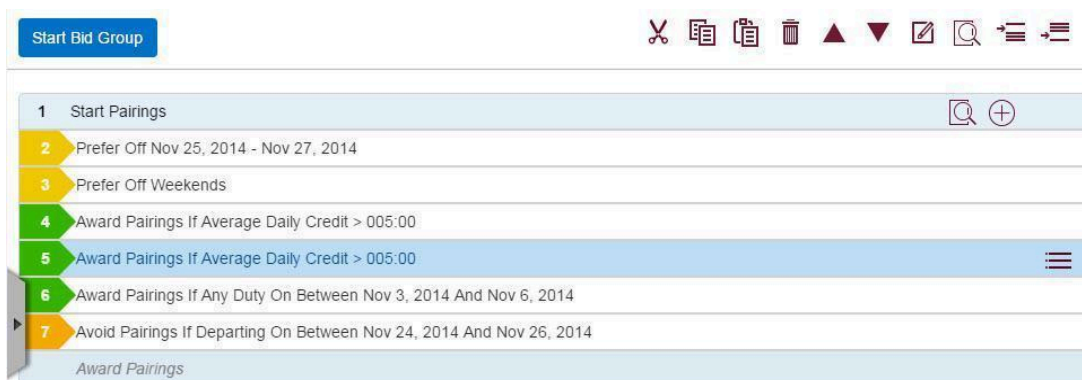
- c. Click on the Paste (D) button in the row of buttons near the top of your bid.

OR

If it is not open, click the menu button (E) in the same row as the Start Pairings/Reserve that you want to copy to open the drop-down menu.

- d. Select Copy (F) from the drop-down menu.

Bid Preference Copied and Pasted

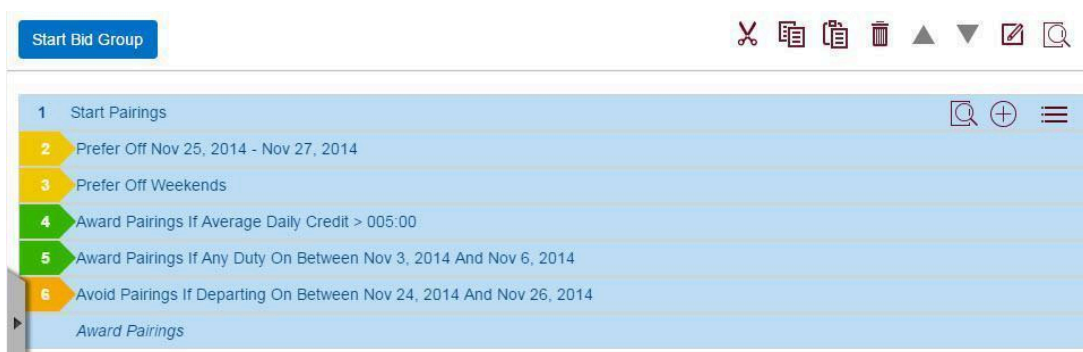


Copy an Entire Bid Group

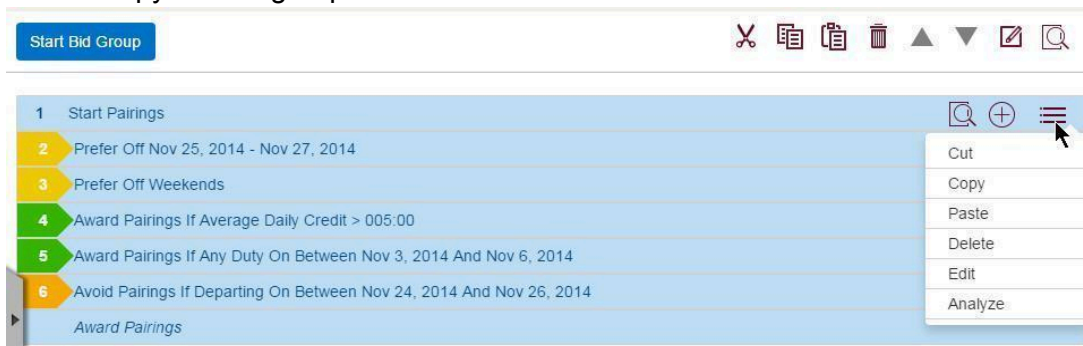
1. Click anywhere on **Start Pairings** or **Start Reserve** at the top of the bid group you want to copy (every bid group starts with either **Start Pairings** or **Start Reserve**).



Once selected, the bid group is highlighted.



2. Copy the bid group.



There are two ways to copy a bid group:

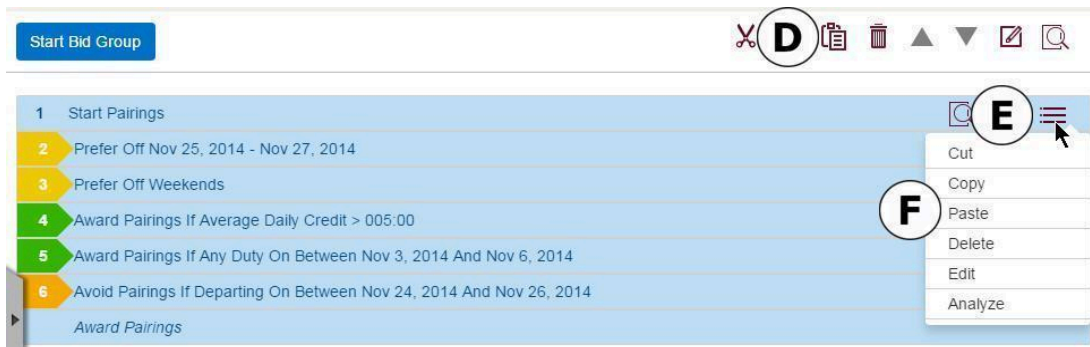
- a. Click the Copy (A) button in the row of buttons near the top of your bid.

OR

Click the menu button (B) in the same row as the Start Pairings/Reserve that you want to copy.

- b. Select Copy (C) from the drop-down menu.

3. If you already have multiple bid groups, click in your bid where you want to paste your bid. You can use the arrow buttons to move the bid group after you have pasted it.
4. Paste the bid group.



There are two ways to paste a bid group:

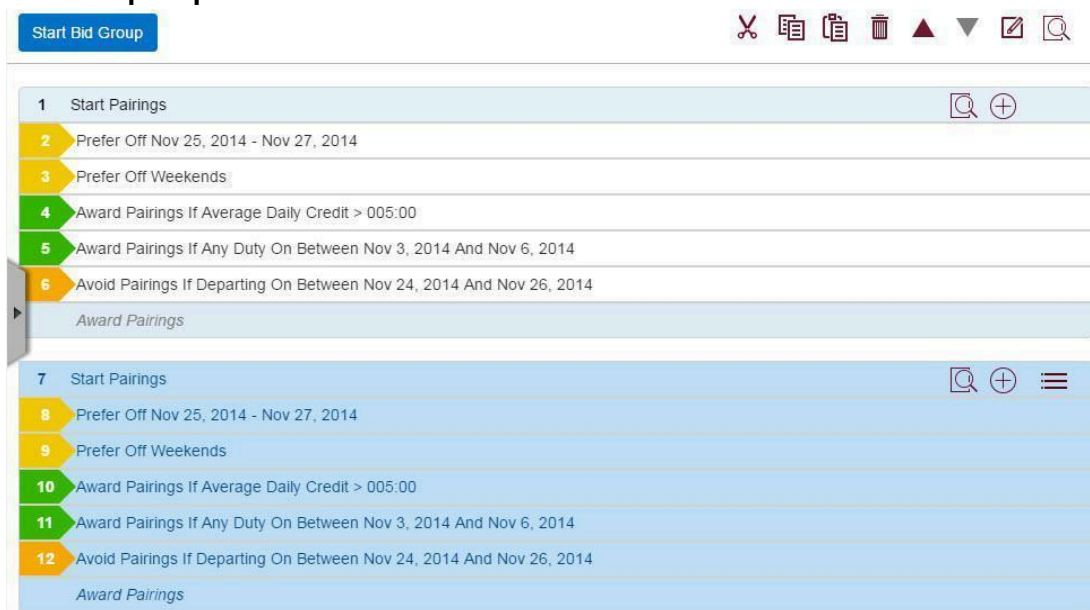
- c. Click on the Paste (D) button in the row of buttons near the top of your bid.

OR

Click the menu button (E) in the same row as the Start Pairings/Reserve that you want to copy to open the drop-down menu.

- d. Select Copy (F) from the drop-down menu.

Bid Group Copied and Pasted



7.1.H Split Duty Blocks

Selecting the Split Duties checkbox when adding a bid group indicates that you wish to bid for a full block of split duty pairings. This means that you are willing to take a block of split duty pairings built to the split duty credit window set by your administrators. The N-PBS Scheduler will attempt to award you a block of split duty pairings using the bids you have entered in this bid group only. The bids entered in this bid group only apply to pairings flagged as split duty. No pairings not flagged as split duty will be awarded from this bid group and no bids from other bid groups are used.

The N-PBS Bidder validates your bid when you submit it, this confirms that you don't have multiple Split Duty bid groups without an Else Start Next Bid Group option. You must have an Else Start Next Bid Group option in all of your pairing bid groups except for your last one. You can have one

Pairing bid group and one Split Duty Pairing bid group in your bid; however, you must add the Else Start Next bid option if you add a third bid group, either Pairings or Split Duty Pairings bid group. For more information, see Bid Validation for more information.

Split Duty Details

You will not be awarded a full block of Split Duty pairings if you did not bid for it - the Scheduler cannot force a full split duty block on a bidder. You can bid to add split duty pairings to your block in a regular Pairings bid group, only use this bid group if you want a full block of split duty pairings.

Split Duty Restrictions – Set Conditions

- you are not allowed to add Set Condition Maximum Credit and Set Condition minimum Credit bid preferences to a Split Duty bid group
 - Set Condition Maximum Credit and Set Condition minimum Credit are available options in a Split Duty bid group, however, these bids are not available in the Split Duty bid group. You will receive an error message when you add the bid to the Split Duty bid group.
- a Split Duty bid group can be placed anywhere in a bid, if you use multiple pairing bid groups you must use the Else Start Next bid option.

Reasons Report

Like the Reasons Report for a Pairings bid group, the Reasons Report for a Split Duty block shows the bid group and the reasons within it. If you are awarded a split duty block, the split duty credit window is displayed on your reasons report. The matching pairings display split duty pairings only.

```

-----
Seniority      39      Category CLE-DH8-CA
Minimum window <045:00>  Threshold <050:00>      Maximum window <055:00>
-----
<< Current Bid >>
-----
1.  Start Pairings (Split Duties)
2.  Prefer Off Feb 12, 2014 - Feb 18, 2014
    Partially honored
3.  Award Pairings If Average Daily Credit > 004:00
R0025      2014-02-21 10:45      2014-02-21 20:39 (006:02)      (CA)
R0010      2014-02-24 07:45      2014-02-24 18:13 (006:58)      (CA)
R0022      2014-02-25 07:55      2014-02-25 20:25 (004:41)      (CA)
R0007      2014-02-26 07:00      2014-02-26 17:43 (004:18)      (CA)
R0010      2014-02-27 07:45      2014-02-27 18:13 (006:58)      (CA)
Awarded for coverage: 4
Block is complete: 28
(5 Awarded, 37 Matching, Running total: 052:40)
    Award Pairings
-----
    Start Pairings
    Award Pairings
-----
    Start Reserve

```

Reduced Lower Limit (RLL)

Selecting the Reduced Lower Limit checkbox when adding a bid group indicates that you wish to bid for a lower block. This means that you are willing to take a block below the minimum credit window without receiving a Reserve line. The N-PBS Scheduler will attempt to award you an RLL pairing block only if it cannot award you a normal pairing block. The NAVBLUE PBS interface will not allow you enter an RLL bid group until you have entered a regular Pairing bid group.

The N-PBS Bidder validates your bid when you submit it, this confirms that an RLL bid group is placed after an unconditional Pairings bid group. This ensures that the N-PBS Scheduler has attempted everything it can before attempting to award you an RLL pairings block.

For more information, see Bid Validation.

Reduced Limit Details

You will not be awarded an RLL block if:

- you did not bid for it - the Scheduler cannot force an RLL block on a bidder
- the N-PBS Scheduler can build you a legal Pairing block
- the maximum number of awarded RLL blocks has been reached or if you are below the seniority cutoff - administrators set the number of bidders that can be awarded an RLL block and the seniority cutoff
- you are a reduced block bidder

RLL Restrictions – Set Condition

- you are not allowed to add Set Condition Maximum Credit and Set Condition minimum Credit bid preferences to an RLL bid group
Set Condition Maximum Credit and Set Condition minimum Credit are available options in an RLL bid Group, however, these bids are not available in the RLL bid group. The **Apply** button remains inactive until you add a bid that is allowed in an RLL bid group.
- an RLL bid group must be placed below a bid group, either Reserve or Pairing, without an Else Start Next Bid Group or a Clear Schedule and Start Next Bid Group- a Reserve bid group can be placed in between, see [Bids That Can Submitted](#) and [Bids That Cannot be Submitted](#) for more information

Reasons Report

There are three messages related to the reasons report informing you why you did not receive an RLL block:

- Maximum Reduced Lower Limit Line Reached- the maximum number of RLL lines were awarded to senior bidders
- Not-Considered Below Reduced Lower Cutoff- you are below the RLL cutoff as defined by the administrator
- Not-Considered Reduced Block- this means that you are defined as a reduced block bidder, reduced block bidders cannot be awarded an RLL block

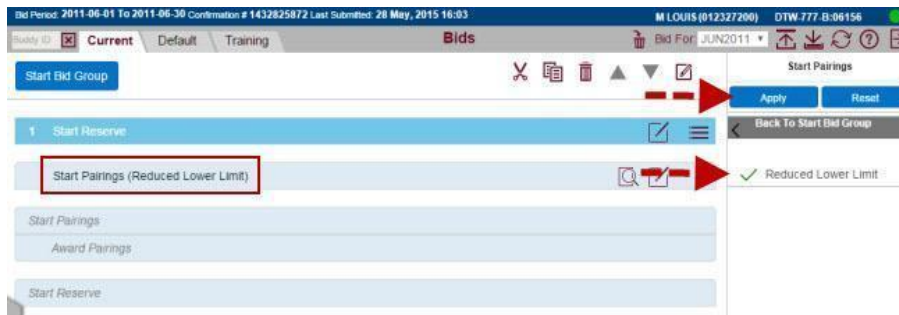
Add an RLL Bid

To add an RLL bid:

1. Add a Start Pairings or Start Reserve bid group. RLL bid groups are not available until you have added at least one or more Reserve or Pairing bid group.
2. Click **Start Bid Group**.
3. Click **Start Pairings**.



4. Click **Start Pairings** on the Bid Preference Editor.
5. Click on **Reduced Lower Limit**. A green check mark is displayed beside the text and (Reduced Lower Limit) is displayed beside Start Pairings in your bid.



6. Click **Apply** to add the bid group to your bid.

7.1.1 Buddy Bidding



Both crewmembers must enter the other crew member as a buddy for buddy bidding to occur. The senior crew member is dropped to the same level as the junior crewmember.

A buddy bid lets you identify another crewmember to bid with, and tries to create blocks for each buddy that have the same pairings on the same dates.



Crewmembers who are buddy bidding with a more junior crewmember should also submit a Current or Default bid, even though it won't be used for buddy bidding. If something happens, such as their buddy forgetting to bid properly, the N-PBS Scheduler uses their bid at their regular seniority to create their block.

Buddy Bidding Processing

Buddy bidding is only performed if both crewmembers enter each other in the buddy field. You can only identify one crewmember as a buddy.

The N-PBS Scheduler attempts to maximize the number of buddiable pairings awarded to each crewmember. Buddiable means that both crewmembers have been awarded the same pairing. The N-PBS Scheduler attempts to complete each buddy's block with buddiable pairings first. If it cannot fill each crewmember's block with buddiable pairings it will attempt to put non-buddiable pairings on each crewmember's block using the junior crewmember's bid. Shuffling of buddy and non-buddy pairings will also occur but the N-PBS Scheduler will give priority to non-buddy pairings. The N-PBS Scheduler also uses the system-generated Award Pairings bid to add buddiable pairings.

Buddy Bidding Position Processing

The N-PBS Scheduler considers positions when awarding buddiable pairings.

Buddy Bidding Position Examples

Award Pairings IF Position F1, F2, F3

The first buddy could receive F1 and the second receive F2, or the first could receive F1 and the second receive F3 and so on.

Award Pairings IF Positions SP

The first buddy would be awarded the SP position and the second buddy would receive any position available.

Buddy Bidding on the Reasons Report

Each pairing that is awarded with a buddy is listed as buddied on the Reasons Report.

7.1.J Add a Buddy

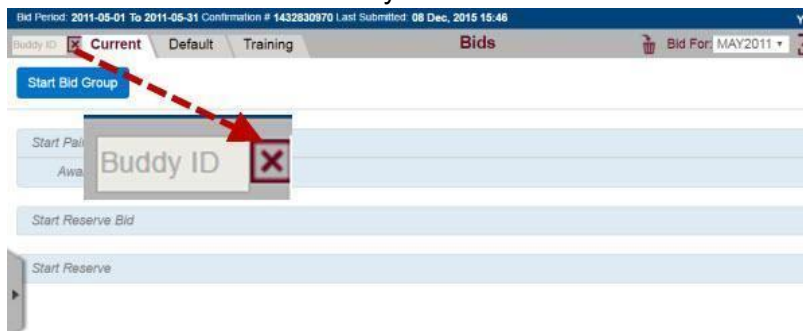
If you want to buddy bid with another crewmember, you need to add their employee number to your bid. The crewmember that you choose to bid with must also enter your employee number in their bid.



Remember that the junior buddy's bid is used to build the block for both buddies, but the senior buddy should also enter a bid, as a precaution.

To add a buddy to your bid:

1. Go to the Bids Screen.
2. Select the red X beside Buddy ID on the Bids Screen.



3. Once clicked, the red X becomes a red check mark and the text field becomes active.

Bid Period: 2011-05-01 To 2011-05-31 Confirmation # 1432830970 Last Submitted: 08 Dec, 2015 15:46

Buddy ID ☒ Current Default Training Bids Bid For: MAY2011

Start Bid Group

Start Pair ☒ Buddy ID

Start Reserve Bid

Start Reserve

4. Enter your buddy's employee number. The employee number that you enter is red until you have entered a valid employee number.

Bid Period: 2011-05-01 To 2011-05-31 Confirmation # 1432830970 Last Submitted: 08 Dec, 2015 15:46 PALMINA D'ANDREIS (021118) YY

06258 ☒ Current Default Training Bids Bid For: MAY2011

Start Bid Group

Start Pair ☒ 06258

Start Reserve Bid

Start Reserve

5. Finish entering the employee number. The employee number turns green when you have entered a valid employee number

Bid Period: 2011-05-01 To 2011-05-31 Confirmation # 1432830970 Last Submitted: 08 Dec, 2015 15:46 YY

062583 ☒ Current Default Training Bids Bid For: MAY2011

Start Bid Group

Start Pair ☒ 062583

Start Reserve Bid

Start Reserve

6. Click on the check mark again to lock the employee number. The check mark turns into an X.

Bid Period: 2011-05-01 To 2011-05-31 Confirmation # 1432830970 Last Submitted: 08 Dec, 2015 15:46 YY

062583 ☐ Current Default Training Bids Bid For: MAY2011

Start Bid Group

Start Pair ☐ 062583

Start Reserve Bid

Start Reserve



This bid is only available in Consecutive Reserve. If you don't see this option it is not available.



The Start Reserve Bid does not award you a Reserve Line. This bid, if used, instructs the N-PBS Scheduler to flag you as on reserve. It stops trying to award you a flying block and processes your reserve bid in seniority order once all pairing blocks are built.

The Start Reserve Bid, Bid Group is a one line bid preference bid group that requests a reserve block. If the N-PBS Scheduler reaches this group it stops processing your Pairings bid. You are marked as on Reserve, and the N-PBS Scheduler begins processing the next crewmember's Pairings bid group. Once all Pairing bid groups have been processed, the N-PBS Scheduler begins to process all Reserve bid groups in seniority order. The N-PBS Scheduler does not move back to your Pairings bid group, and you are awarded a reserve block only.

You can attach a Max Above X (X is the value that you enter) option to the Start Reserve Bid bid preference. The Else Start Next Bid Group option is added automatically when you use Max Above. This indicates that you want a reserve block, but only if the amount of reserve blocks already awarded is less than the amount you entered. If this number has not been met the N-PBS Scheduler moves to the next bid group.



Bid Validation is preformed when you submit your bid. See Consecutive [Bids that can be submitted](#) and [bids that cannot be submitted](#).

Start a Reserve Bid Max Above

Bid for a reserve block, and set the maximum number of reserve block holders above you in seniority.

Example - Start Reserve Bid Max Above 4 Else Start Next Bid Group

- the N-PBS Scheduler awards you a reserve block only if no more than four reserve blocks have already been awarded; if the first four reserve blocks have been awarded, the N-PBS Scheduler awards you the fifth reserve block, but if the first five reserve blocks have been awarded, the N-PBS Scheduler continues to process the rest of your Pairings bid group
- the Else Start Next Bid Group option is added automatically to a Start Reserve Bid Group bid if you use the Max Above option

7.1.K Add a Start Bid Reserve Bid – Consecutive Reserve

Lorem ipsum

To Add a Start Reserve Bid:

1. Click the **Start Bid Group** button.
2. Click **Start Reserve Bid** bid.

To add the Max Above Option:

- a. Click on **Start Reserve Bid**.
 - b. Click on **Max Above**.
 - c. Use the drop-down menu and arrows to add a number.
3. Click **Apply**.

The bid group is now added to your bid.

Some Important Notes

- if you use Max Above, Else Start Next Bid Group will be added automatically
- the bid group can be moved above or below other Start Reserve Bid and Pairings bid groups using the Cut, Copy and Paste or the Up and Down buttons
- the N-PBS interface will validate your bid when it is submitted, see Start Reserve Bid Validation for more details

7.1.L Award Reserve Line



This bid is only available in Standard Reserve. If you don't see this option it is not available.

The Award Reserve Line bid tells that the N-PBS Scheduler that you want it to stop processing your bid and flag you as on Reserve. Your Reserve block is built outside of the NAVBLUE N-PBS System.

You can attach a Max Above X (X is the value that you enter) option to the Start Reserve Bid bid preference. The Else Start Next Bid Group option is added automatically when you use Max Above. This indicates that you want a reserve block, but only if the amount of reserve blocks already awarded is less than the amount you entered. If this number has not been met the N-PBS Scheduler moves to the next bid group. See Bid Validation for more information on bids that you can and cannot submit.

7.1.M Add an Award Reserve Line Bid - Standard Reserve

To Add an Award Reserve Line Bid:

1. Click the **Start Bid Group** button.
2. Click **Award Reserve Line Bid**.
 - a. Click on **Award Reserve Line**.
 - b. Click on **Max Above**.
 - c. Use the drop-down menu and arrows to add a number.
3. Click **Apply**.

The bid group is added to your bid. Else Start Next Bid Group is added automatically if you use the Max Above option

Some Important Notes

- if you use Max Above, Else Start Next Bid Group will be added automatically

- the bid group can be moved above or below other Award Line Reserve Bid and Pairings bid groups using the Cut, Copy and Paste or the Up and Down buttons
- The N-PBS interface will validate your bid when it is submitted, see Award Line Reserve Bid Validation for more details

7.1.N Else Start Next Bid Group



Bid Groups are independent of each other. Bid Preferences are only relevant for the bid group they are contained in. The N-PBS Scheduler clears anything (Pairings or Reserve Days) and begins processing the next bid group.

Else Start Next Bid Group can be added to the end of all Prefer Off and Avoid bids along with certain Set Condition bids, in both a Pairing and Reserve bid group. If you do not see the Else Start Next Bid Group option it is not available. By attaching the Else Start Next Bid Group option, you tell the N-PBS Scheduler that if a legal schedule cannot be created using this bid preference you would prefer to move to the next bid group, either a Pairings bid group or a Reserve bid group.

If you use this command in your last bid group the N-PBS Scheduler uses the system-generated bid groups to complete your block; this means that the N-PBS Scheduler will attempt to build you a pairings block using the Award Pairings system-generated bid preference. If a complete block still cannot be built, the N-PBS Scheduler attempts to build you a Reserve block using the system-generated bid preference Start Reserve.

If you submit a bid with the Else Start Next Bid Group option in a bid group without a bid group after it, you will see the following message:

SEA-340-FA : User entered Pairing bid group [1] contains instruction ('Else Start Next Bid Group' or 'Clear Schedule Start Next') to go to the next bid group but next bid group wasn't added, do you still want to submit the bids ?

OK

Cancel

7.1.O Bid Analyzer

The Bid Analyzer only analyzes positive (Award) and negative (Prefer Off, Avoid) bid preferences in Pairing bid groups. You cannot analyze bid preferences in a Reserve bid group, nor does the analyzer take into account Set Condition, Instruction or Waive bid preferences.

The Bid Analyzer is a tool that shows you how many pairings match a negative or positive bid preference. It then shows you how your bid affects the available pairing pool for your category. You can use this information to determine how effective a bid preference or your entire bid is. For example, if a bid preference doesn't match any pairings in the available pool it won't have any

affect on your award. If your negative bids remove a large number of pairings or all pairings from your pairing pool, some of your bids will be denied.

On a negative bid, the analyzer shows you how many pairings are removed from the available pairing pool and on a positive bid, the analyzer shows you how many potential pairings are in the pairing pool. These are potential awards, if you see a pairing in the preferred pool it does not mean that you will be awarded the pairing.

You can view the bid analyzer results for a single bid or for your entire bid. The results can be shown in the bid or can be shown below the bid along with the list of pairings that match the results. Follow the links below to for more information.

[View results for an entire bid](#) - this section shows you how to view the results for an entire bid using the results returned in your bid.

[View results for a single bid](#) - this section shows you how to view results for a single bid using the results and pairings listed below your bid.

[View results in the dates view](#) - this section show you how to view results using the dates view in the pairing list below your bid.

See [Bids Screen Buttons](#) for a list of analyzer buttons.

Bid Analyzer - Pairing List Results

This section describes how to use the bid analyzer on a single Award or Avoid Pairing bid. These steps shown describe how a single bid is analyzed. If you have multiple bids select it to analyze it alone. The steps here show how to an analyze an award pairings. Add an Avoid bid in step 1 and follow the rest of the steps to analyze an Avoid bid.

1. Add an Award/Avoid Pairings bid preference.

Award Pairings Bid Preference Added



- Click on the bid preference to highlight it.

-  Click on the analyze button.

The Bid Analyzer opens at the bottom of the screen.

Bid Analyzer Results

The screenshot shows the Navblue Academy interface with the 'Bid Analyzer Results' table at the bottom. The table displays a list of pairings with columns for 'Matching', 'Filtered', 'Preferred', and 'Credit Value'. The 'Matching' column is highlighted in red, indicating the results being viewed.

	Matching 46:53:127	(-)Filtered 0:0:0	Filtered 113:234:475	(+)Preferred 46:53:127	Preferred 46:53:127	
✓ L4000	Check-In 19:20	Check-Out 05:37	Credit Value 008:00 TAFB 010:17		FAFB 380	02 Days
✓ N4003	Check-In 07:10	Check-Out 17:42	Credit Value 008:25 TAFB 010:32		CAFAFB,FC,FO 380	01 Day
✓ N4004	Check-In 07:09	Check-Out 17:41	Credit Value 008:25 TAFB 010:32		CAFAFB,FC,FO 380	01 Day
✓ Q0001	Check-In 01:00	Check-Out 10:00	Credit Value 008:00 TAFB 009:00		CAFAFO 380	01 Day
✓ Q0002	Check-In 01:00	Check-Out 06:00	Credit Value 004:01		CAFAFO 380	01 Day

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- Click the expand button to view the results in full screen. The results are a list of pairings that match the result. Click on a heading to view the list of pairings that match it. The heading turns red to indicate which results you are viewing. The example below shows the Matching results.

Results in Full Screen - Results in Red Box

Bid Period: 2014-11-01 To 2014-11-30 Confirmation # Bids Modified Last Submitted: 08 Nov, 2017 15:23 (NavAdmin)

Buddy ID: [X] Current Default Training Bids Bid For: NOV2014 DEN-320-FA30257

Start Bid Group

	Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
	529:1277:4639	6:00	529:1277:4639	440:964:3486	529:1277:4639
A4002	Check-In 05:40	Check-Out 15:40	Credit Value 006:40 TAFB 010:00		FAFO 319 01 Day
	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				
A4003	Check-In 05:40	Check-Out 15:40	Credit Value 006:40 TAFB 010:00		FAFO 319 01 Day
	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				
A4005	Check-In 05:40	Check-Out 15:40	Credit Value 006:40 TAFB 010:00		FAFO 319 01 Day
	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				
A4006	Check-In 05:40	Check-Out 15:40	Credit Value 006:40 TAFB 010:00		FAFO 319 01 Day
	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				
A4008	Check-In 07:25	Check-Out 17:34	Credit Value 008:06 TAFB 010:00		AABB FAFB FD 319 01 Day
	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				
A4021	Check-In 09:55	Check-Out 20:15	Credit Value 007:58 TAFB 010:20		AABB FAFB FD 320 01 Day
	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				
A4022	Check-In 10:05	Check-Out 20:30	Credit Value 008:00 TAFB 010:25		AABB FAFB FD 319 01 Day
	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				

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Results

There are 3 sets of numbers below each heading. These numbers indicate the number of pairings, pairing on dates and pairing instances.

Pairings - how many pairings match the bid preference.

Pairing on Dates - how many times the pairing operates in the bid period.

Pairing Instances - how many positions are available on the pairing in the bid period. This number may be higher than pairings if there are more than 1 position on the pairing.

Matching - These numbers indicate how many pairings match the bid preference.

(-)Filtered - These numbers show how many pairings have been removed by the negative bid preference. These pairings won't be awarded unless denial mode is used.

Filtered - These numbers indicate how many pairings are in the available pairing pool. This is the number of pairings that the PBS Scheduler will consider when awarding your block unless denial mode is used.

(+)Preferred - These numbers show how many pairings have been added to the Preferred pool.

Preferred - These numbers indicate how many pairings are in the preferred available pairing pool. These are the number of pairings that match your bid preferences (what you have requested in your bid).

Award Pairings Results

Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
46:63:127	0:0:0	113:234:475	46:63:127	46:63:127

This section takes a closer look at the results from the positive Award Pairings If Departing on Monday, Tuesday bid preference. Remember that positive bid preferences add pairings to your preferred pool of pairings. The preferred pool is the number of pairings that are possible awards based on your positive bid preferences. This is what you have told the PBS Scheduler you are looking for in pairings.

Matching 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing.

(-)Filtered 0:0:0 - no pairings match because this is a positive bid preference. Not shown when viewing the results inside of the bid group.

Filtered 113:234:475 - there are 113 pairings in the available pairing pool that operate 234 times in the month with 475 instances (positions). These pairings are the pool of possible awards.

(+)Preferred 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple award pairing preferences.

Preferred 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple award pairing preferences.

Prefer Off / Avoid Pairing Results

Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
22:40:74	22:40:74	91:194:401	0:0:0	0:0:0

Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
22:40:74	22:40:74	91:194:401	0:0:0	0:0:0

This section takes a closer look at the results from the negative Avoid Pairings If Average Daily Credit < 004:00 bid preference. Remember that negative bid preferences (Avoid Pairings and Prefer Off) remove pairings from consideration by the PBS Scheduler when building your block.

Matching 22:40:74 - 22 pairings match the bid preference, these pairings operate 40 times in the bid period and there are 74 instances (positions) of this pairing.

(-)Filtered 22:40:74 - 22 pairings match the bid preference, these pairings operate 40 times in the bid period and there are 74 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple negative preferences.

Filtered 91:194:401 - there are 91 pairings in the available pairing pool that operate 194 times in the month with 401 instances (positions). These pairings are the pool of possible awards.

(+)Preferred 0:0:0 - no pairings match because this is a negative bid preference. Not shown when viewing the results inside of the bid group.

Preferred 0:0:0 - this is a negative bid, therefore no pairings were added to the Preferred pool.

7.1.P Bid Analyzer – In Bid Results

Before you begin this section you may want to take some time to review [Positive and Negative Bid](#) preferences and the Bid Preference section.

This section describes how to use the bid analyzer on a single Award or Avoid Pairing bid.

This steps shown describe how a single bid is analyzed. If you have multiple bids select it to analyze it alone. The steps here show how to an analyze an award pairings. Add an Avoid bid in step 1 and follow the rest of the steps to analyze an Avoid bid.

1. Add an Award/Avoid Pairings bid preference.



2. Click on the bid preference to highlight it.

3.  Click on the analyze button.

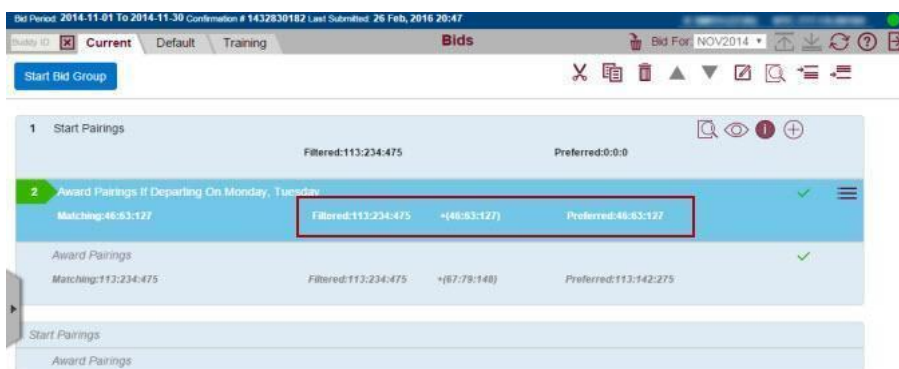
The Bid Analyzer opens at the bottom of the screen and a new set of icons are displayed to the right of the bid.

Bid Analyzer Icons



4.  Click on the show results button.

Bid analyzer results are shown inside of the bid.



7.1.Q Award Pairings Results

Matching:46:63:127	Filtered:113:234:475	+(-):46:63:127	Preferred:46:63:127
--------------------	----------------------	----------------	---------------------

This section takes a closer look at the results from the positive Award Pairings If Departing on Monday, Tuesday bid preference. Remember that positive bid preferences add pairings to your preferred pool of pairings. The preferred pool is the number of pairings that are possible awards based on your positive bid preferences. This is what you have told the PBS Scheduler you are looking for in pairings.

Matching 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing.

(-)Filtered 0:0:0 - no pairings match because this is a positive bid preference. Not shown when viewing the results inside of the bid group.

Filtered 113:234:475 - there are 113 pairings in the available pairing pool that operate 234 times in the month with 475 instances (positions). These pairings are the pool of possible awards.

(+)Preferred 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple award pairing preferences.

Preferred 46:63:127 - 46 pairings match the bid preference, these pairings operate 63 times in the bid period and there are 127 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple award pairing preferences.

Avoid Pairings Results

Matching:22:40:74

-(22:40:74)

Filtered:91:194:401

Preferred:0:0:0

This section takes a closer look at the results from the negative Avoid Pairings If Average Daily Credit < 004:00 bid preference. Remember that negative bid preferences (Avoid Pairings and Prefer Off) remove pairings from consideration by the PBS Scheduler when building your block.

Matching 22:40:74 - 22 pairings match the bid preference, these pairings operate 40 times in the bid period and there are 74 instances (positions) of this pairing.

(-)Filtered 22:40:74 - 22 pairings match the bid preference, these pairings operate 40 times in the bid period and there are 74 instances (positions) of this pairing. This number is the same as Matching because there is only one pairing being analyzed. This number can grow with multiple negative preferences.

Filtered 91:194:401 - there are 91 pairings in the available pairing pool that operate 194 times in the month with 401 instances (positions). These pairings are the pool of possible awards.

(+)Preferred 0:0:0 - no pairings match because this is a negative bid preference. Not shown when viewing the results inside of the bid group.

Preferred 0:0:0 - this is a negative bid, therefore no pairings were added to the Preferred pool.

7.1.R Bid Analyzer – Entire Bid Results

Before you begin this section you may want to take some time to review [Positive and Negative Bid preferences](#) and the Bid Preference section.

Entire Bid Analyzed

Bid Preference	Filtered	Preferred
Start Pairings	Filtered: 111,234,567	Preferred: 0
Start Caribbean-Montreal-Good	Filtered: 111,234,567	Preferred: 0
Award Pairings: 1st Average (Early-Close) + 100.00	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0
Priority: 1st Preference (Early-Close) And Priority	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0
Award Pairings: 2nd Average (Early-Close) + 100.00	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0
Award Pairings: 3rd Average (Early-Close) + 100.00	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0
Award Pairings: 4th Average (Early-Close) + 100.00	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0
Award Pairings: 5th Average (Early-Close) + 100.00	Filtered: 0	Preferred: 0
Matching: 111,234,567	Filtered: 0	Preferred: 0

This section walks you through analyzing your entire bid. The steps below show you how to analyze your entire bid with the results inside

1. Click on the bid preference to highlight it.



2. Click on the analyze button.



3. Click on the show results button.

Results

There are 3 sets of numbers below each heading. These numbers indicate the number of pairings, pairing on dates and pairing instances.

Pairings - how many pairings match the bid preference.

Pairing on Dates - how many times the pairing operates in the bid period.

Pairing Instances - how many positions are available on the pairing in the bid period. This number may be higher than pairings if there are more than 1 position on the pairing.

Matching - These numbers indicate how many pairings match the bid preference.

(-)Filtered - These numbers show how many pairings have been removed by the negative bid preference. These pairings won't be awarded unless denial mode is used.

Filtered - These numbers indicate how many pairings are in the available pairing pool. This is the number of pairings that the PBS Scheduler will consider when awarding your block unless denial mode is used.

(+)Preferred - These numbers show how many pairings have been added to the Preferred pool.

Preferred - These numbers indicate how many pairings are in the preferred available pairing pool. These are the number of pairings that match your bid preferences (what you have requested in your bid).

Entire Bid Results

1. Start Pairings - **Filtered:**113:234:475 **Preferred:**0:0:0

1

Start Pairings

Filtered:113:234:475

Preferred:0:0:0



Start Pairings is the system-generated bid at the start of every bid group you cannot edit or delete it. This tells you that there are 113 pairings available in your pairing pool. It's the start of the bid so you can't prefer or avoid pairings.

2. Set Condition Maximum Credit - **Filtered:**113:234:475 **Preferred:**0:0:0

2

Set Condition Maximum Credit

Filtered:113:234:475

Preferred:0:0:0



You can't analyze Instruction, Waive and Set Condition bids. Nothing has changed so the numbers remain the same.

3. Avoid Pairings If Average Daily Credit < 004:00 - **Matching:**22:40:74 -(22:40:74)
Filtered:91:194:401 **Preferred:**0:0:0

3

Avoid Pairings If Average Daily Credit < 004:00

Matching:22:40:74

-(22:40:74)

Filtered:91:194:401

Preferred:0:0:0



Avoid bids are negative bids that take away from your available pairing pool. This bid matches 22 pairings, so they are taken away and you are left with 91 (113 - 22). No positive bids have been analyzed yet so the Preferred pool remains at 0.

4. Prefer Off Between Saturday and Sunday - **Matching:**64:114:257 -(32:99:228)
Filtered:59:95:173 **Preferred:**0:0:0

4

Prefer Off Between Saturday And Sunday

Matching:64:114:257

-(32:99:228)

Filtered:59:95:173

Preferred:0:0:0



This negative bid matches 64 pairings. The next set of numbers tells you that another 32 pairings were removed. Why were only 32 removed and not 64? Only 32 were removed because 32 of the pairings that matched bid 3 were already removed. Therefore, you can tell that there are 32 pairings that match both bid 3 and 4. This leaves 59 (113 - (22 + 32)) pairings in your available pairing pool. No positive bids have been analyzed yet so the Preferred pool remains at 0.

5. Award Pairings If Departing On Monday, Tuesday - **Matching:**46:63:127
Filtered:59:95:173 +(37:51:107) **Preferred:**37:51:107

5

Award Pairings If Departing On Monday, Tuesday

Matching:46:63:127

Filtered:59:95:173

+(37:51:107)

Preferred:37:51:107



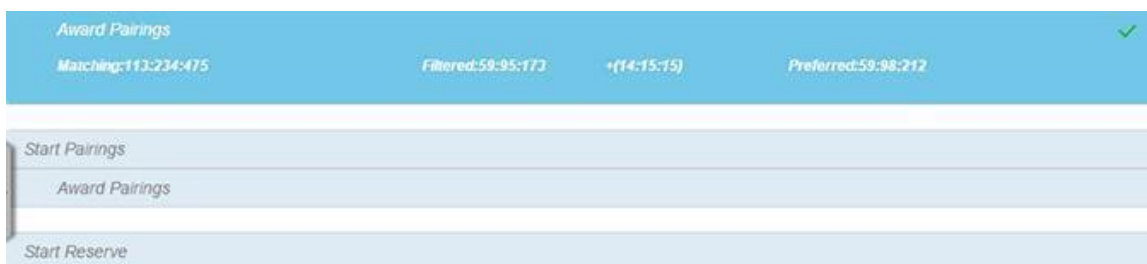
This positive bid matches 46 pairings, and because this is positive bid the number of pairings in your available pool remains at 59 (Filtered). The next set of numbers tells you that 37 pairings were added to your preferred pool. The preferred pool jumps from 0 to 37 because this is the first positive bid.

6. Award Pairings If Pairing Check-In Time > 09:00 **Matching:**57:91:209 **Filtered:**59:95:173
+(8:32:90) **Preferred:**45:83:197



This positive bid matches 57 pairings, and because this is positive bid the number of pairings in your available pool remains at 59 (Filtered). The next set of numbers tell you that 8 pairings have been added to your preferred pool. Why were only 8 added and not 57? Only 8 were added because 49 of the pairings that matched bid 5 were already in the preferred pool. Therefore, you can tell that 49 pairings match both bid 5 and 6. The preferred pool grows to 45 ($37 + 8$).

7. Award Pairings **Matching:**113:234:475 **Filtered:**59:95:173 +(14:15:15)
Preferred:59:98:212



Award Pairings is a system-generated bid that you cannot edit or delete. This tells you that there are 113 pairings available in your pairing pool. The next set of numbers tells you that you have removed 59 pairings with your negative bid preferences. The next set of numbers indicates that 14 pairings were added to your preferred pool. These pairings were neither avoided or bid for but can be added as possible awards. The preferred pool grows to 59 (45 + 14).

The final numbers:

Matching:113:234:475 - this is the number of pairings in the period for your category (available pairing pool).

Filtered:59:95:173 - this is the number of pairings that you removed from your available pairing pool with the negative bids that you have entered.

Preferred:59:98:212 - this is number of pairings that remain in your available pairing pool. Your negative bids removed pairings from consideration from the available pairing pool.

Note: Depending on your bids and how many times it operates (instances), the same pairing can be in both your Preferred and Filtered pool. Consider the following bid, Avoid Pairings If Departing on Monday If Pairing Numbers 1234. You are only avoiding pairing 1234 that depart on Mondays.

You could still be awarded pairing 1234 if there is another instance of the pairing that departs on another day of the week. This places the pairing in both the Filtered and Preferred pool.

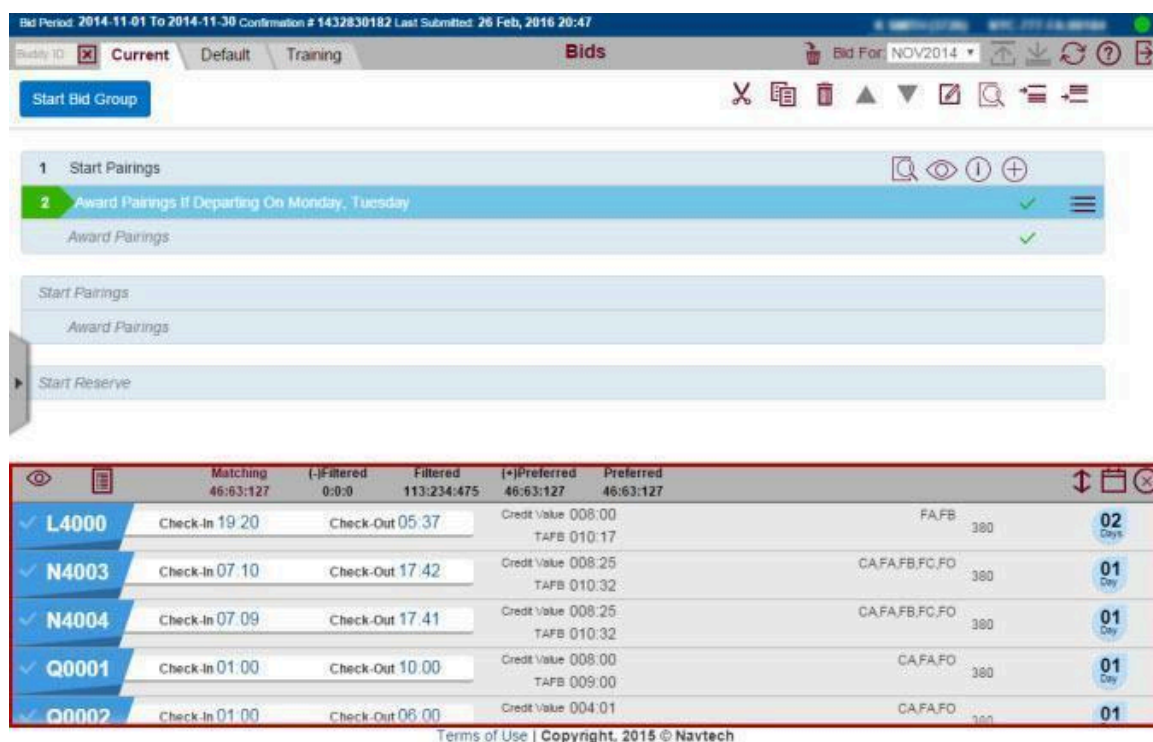
Bid Analyzer – Dates View

The dates view option allows you to see the bid preference that adds a pairing to the Filtered or Preferred pool.

To use Dates View:

1. Enter your entire bid or a single bid preference.
2.  Click on the analyze button.
The Bid Analyzer opens at the bottom of the screen.

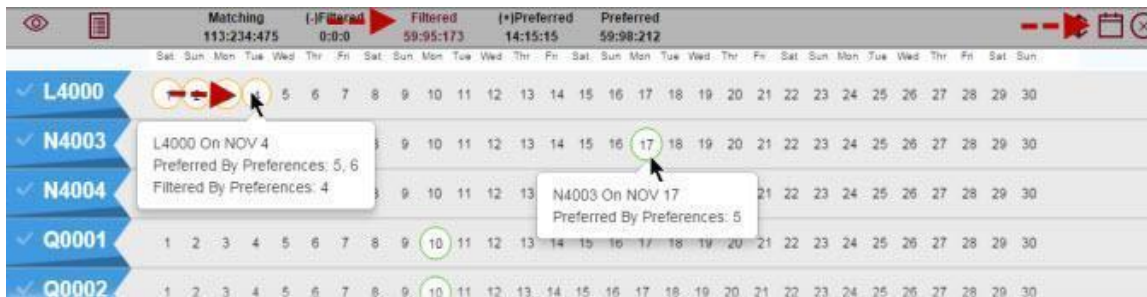
Bid Analyzer Results



	Matching	(-)Filtered	Filtered	(+)Preferred	Preferred
	46:63:127	0:0:0	113:234:475	46:63:127	46:63:127
✓ L4000	Check-In 19:20	Check-Out 05:37	Credit Value 008:00 TAFB 010:17	FAFB 380	02 Days
✓ N4003	Check-In 07:10	Check-Out 17:42	Credit Value 008:25 TAFB 010:32	CA,FA,FB,FC,FO 380	01 Day
✓ N4004	Check-In 07:09	Check-Out 17:41	Credit Value 008:25 TAFB 010:32	CA,FA,FB,FC,FO 380	01 Day
✓ Q0001	Check-In 01:00	Check-Out 10:00	Credit Value 008:00 TAFB 009:00	CA,FA,FO 380	01 Day
✓ Q0002	Check-In 01:00	Check-Out 06:00	Credit Value 004:01	CA,FA,FO 380	01 Day

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3.  Click on the dates view button.
4. Click on a heading to view results, Matching, (-)Filtered, Filtered, (+)Preferred or Preferred.
5. Hover your mouse or tap on a date with a yellow or green circle. Yellow indicates that the pairing has been removed and green indicates that a pairing has been added.



Note: you can only view one pairing instance at a time.

When you move your mouse over a pairing with a circle around it you can see the preferences associated with it. In the example you can see that pairing L4000 is preferred by preferences 5 and 6. However, the pairing is removed from consideration by bid 4.

Submit a Bid

Chapter 08

8.1 Submit a Bid

See [Off-line and On-line mode](#) for information on the differences between off-line and on-line mode.

8.1.A Save Your Bid



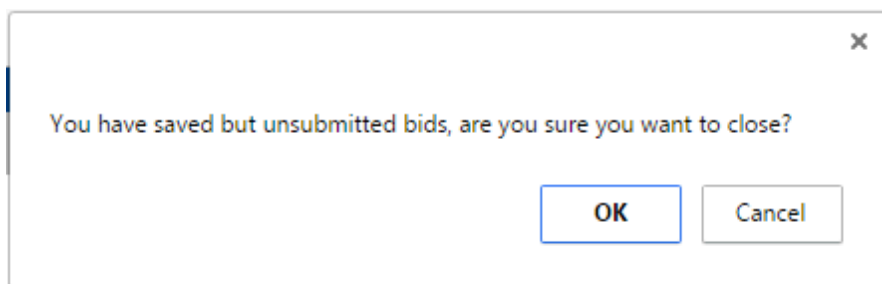
Active Save button. The button is active if you've made changes to your bid and you haven't saved it yet.



Inactive Save button. The button is inactive if you haven't made any changes to your bid or you have saved it.

You can save your bid any time that you make changes to it whether you are online or offline. Save your bid if you are off-line and make changes to your bid. You cannot submit your bid if you are offline.

If you are online and have saved your bid but haven't submitted it you will see a reminder that you have saved your but haven't submitted it.



Important - If you click the back button on your browser or close the application you will lose any unsaved changes. You will be prompted to save changes if you log out using the log out button.

8.1.B Submit Your Bid

See [Bid Types](#) for more information on Current, Default and Training bids.

See [Off-line and On-line mode](#) for information on the differences between off-line and on-line mode.

Current Bid

You can submit your Current bid as many times as you want while bidding is open. Contact your administrator if you are unsure when your bidding period is open.

Your Current bid, if submitted, is always used to build your line for the bid period. If you don't submit a current bid your Default bid is used. Your Reasons Report states what bid was used, either Current or Default.

Default Bid

You can submit your Default bid as many times as you want at any time that you have access to the system. Your Default bid is only used if you haven't submitted a Current bid. Changes made to your Default bid after bidding closes don't take effect until the next bid period.

Submit Your Bid



Active Submit button. The button is active if you've made changes to your bid and you haven't submitted yet.



Inactive Submit button. The button is inactive if you haven't made any changes to your bid or you have submitted it.

Bid Validation: The NAVBLUE PBS interface validates your bid when you submit it. The validation ensures that you don't submit a bid with bid groups that will not be used by the N-PBS Scheduler. See Bid Validation for more information.

You can only submit your bid if you are connected to the Internet (on-line mode).

Important - When you click on Submit you are submitting your Current, Default and Training (if you have the Training module) bid to the N-PBS Scheduler. When you submit your bid you may see a message that not all bids have been submitted. The submit message will tell you what has been submitted and what hasn't. For example, if you submit a Default bid while Current bidding is closed you will see a message that your Default bid has been submitted, but your Current has not. You will always receive a confirmation number for any bid that has been submitted.

Important - If you have submitted a Current and a Default Bid for the current bid period. Your Current bid is always used to build a line for the bid period. Even if you submit a Default bid while bidding is open after you have submitted a Current bid. Any changes you made in your Default bid won't be used until the next period provided you don't submit a Current bid in the next bid period. Your Default bid is only used if you haven't submitted a Current bid.

The N-PBS Bidder displays a confirmation number at the top of the screen once your bid has been successfully submitted.

You can make changes to your bid up to the bid closing time. After bidding closes, you cannot change your Current or Default bids for the bid period that was just closed.

8.1.C Standard Reserve - Bids That Can Be Submitted



Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.

The N-PBS Bidder interface will allow the following bids to be submitted in Standard reserve.

System-generated bids and bid groups are not numbered.

This bid can be submitted because it contains 1 Pairing and 1 Reserve bid group. You can have the Pairing or Reserve bid group first.

The screenshot shows a bid configuration interface with the following steps:

- 1 Start Pairings
- 2 Set Condition Maximum Credit
- 3 Prefer Off Jan 20, 2015, Jan 21, 2015, Jan 22, 2015
- 4 Avoid Pairings If Departing On Between Jan 12, 2015 And Jan 15, 2015
- 5 Award Pairings If Landings In SEA
- 6 Award Reserve Line

Below the steps, there are sections for "Award Pairings" and "Award Reserve Line".

This bid can be submitted because the first Pairing bid group has an Else Start Next Bid Group bid. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

The screenshot shows a bid configuration interface with the following steps:

- 1 Start Pairings
- 2 Set Condition Maximum Credit
- 3 Prefer Off Jan 20, 2015, Jan 21, 2015, Jan 22, 2015
- 4 Avoid Pairings If Departing On Between Jan 12, 2015 And Jan 15, 2015
- 5 Award Pairings If Landings In SEA
- 6 Clear Schedule and Start Next Bid Group
- 7 Start Pairings
- 8 Avoid Pairings If Departing On Between Jan 12, 2015 And Jan 15, 2015
- 9 Award Pairings If Landings In SEA

Below the steps, there are sections for "Award Pairings", "Start Pairings", and "Award Reserve Line".

8.1.D Standard Reserve - Bids That Cannot Be Submitted

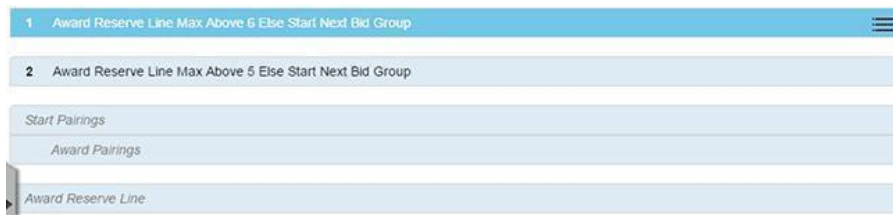


Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.

The N-PBS Bidder interface will not allow the following bids to be submitted in Standard reserve.

This bid cannot be submitted because the first Max Above is larger than the second Max Above.

Else Start Next Bid Group is automatically added when you use the Max Above option.



You will see the following error message at the top of your bid.

Your bid cannot be submitted. You have entered an 'Award Reserve Line' bid group with a Max Above Option. All Max Above Options on an 'Award Reserve Line Bid' must be of a higher value than the one preceding it.. Edit your bid and resubmit.

This bid cannot be submitted because the first Pairing bid group does not contain an Else Start Next Bid Group bid. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.



You will see the following message at the top of your bid:

Your bid cannot be submitted. Your bid contains multiple 'Start Pairings' bid groups. Each Pairing Bid Group that you enter, except for your last one, must contain a bid preference with 'Else Start Next Bid Group' or a 'Clear Schedule and Start Next Bid Group' bid. Edit your bid and resubmit.

This bid cannot be submitted because it contains two Award Line Reserve bid groups and the first one does not contain an Else Start Next Bid Group option. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1	Start Pairings	 
2	Prefer Off Sunday, Monday	
3	Avoid Pairings If Duty Duration > 006:00	
4	Award Pairings If Departing On With Time Between 08:00 And 12:59	
5	Award Pairings If Average Daily Credit = 004:00	
Award Pairings		
6	Award Reserve Line	
7	Award Reserve Line	 
Start Pairings		
Award Pairings		
Award Reserve Line		

You will see the following message:

Your bid cannot be submitted. You have entered multiple 'Award Reserve Line' bid groups. All 'Award Reserve Line' bid groups, except for the last one, must have the Max Above XX option. Edit your bid and resubmit.

8.1.E Consecutive Reserve - Bids That Can Be Submitted



Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.

The N-PBS Bidder interface will allow the following bids to be submitted in Consecutive reserve.

System-generated bids and bid groups are not numbered.

This bid can be submitted because it contains 1 Pairing and 1 Reserve bid group. You can have the Pairing or Reserve bid group first.

1	Start Pairings	 
2	Prefer Off Sunday, Monday	
3	Avoid Pairings If Duty Duration > 006:00 Else Start Next Bid Group	
4	Award Pairings If Departing On With Time Between 08:00 And 12:59	
5	Award Pairings If Average Daily Credit = 004:00	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve Bid		
6	Start Reserve	
7	Prefer Off Weekends	
Start Reserve		

This bid can be submitted because the first Pairing bid group has a Else Start Next Bid Group option on bid 3. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1	Start Pairings	🔍 +
2	Prefer Off Sunday, Monday	
3	Avoid Pairings If Duty Duration > 006:00 Else Start Next Bid Group	☰
4	Award Pairings If Departing On With Time Between 08:00 And 12:59	
5	Award Pairings If Average Daily Credit = 004:00	
Award Pairings		
6	Start Pairings	🔍 +
7	Award Pairings If Departing On With Time Between 08:00 And 12:59	
8	Award Pairings If Average Daily Credit = 004:00	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve Bid		
Start Reserve		

This bid can be submitted because the first Reserve bid group has a Else Start Next Bid Group option on bid 5. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1	Start Pairings	🔍 +
2	Award Pairings If Departing On With Time Between 08:00 And 12:59	☰
3	Award Pairings If Average Daily Credit = 004:00	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve Bid		
4	Start Reserve	+
5	Set Condition Maximum Days On 3 Else Start Next Bid Group	
6	Prefer Off Weekends	
7	Prefer Off Dec 2, 2014, Dec 3, 2014, Dec 4, 2014, Dec 5, 2014	
8	Start Reserve	+
9	Prefer Off Weekends	
10	Prefer Off Dec 2, 2014, Dec 3, 2014, Dec 4, 2014, Dec 5, 2014	
Start Reserve		

This bid can be submitted because the Max Above option on bid 4 is higher than the Max Above option on bid 5.

1	Start Pairings	🔍 +
2	Award Pairings If Departing On With Time Between 08:00 And 12:59	
3	Award Pairings If Average Daily Credit = 004:00	
	Award Pairings	
4	Start Reserve Bid Max Above 10 Else Start Next Bid Group	
5	Start Reserve Bid Max Above 20 Else Start Next Bid Group	☰
	Start Pairings	
	Award Pairings	
	Start Reserve Bid	
6	Start Reserve	+
7	Prefer Off Weekends	
8	Prefer Off Dec 2, 2014, Dec 3, 2014, Dec 4, 2014, Dec 5, 2014	
	Start Reserve	

8.1.F Consecutive Reserve - Bids That Cannot Be Submitted



Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.

The N-PBS Bidder interface will not allow the following bids to be submitted in Consecutive reserve.

This bid cannot be submitted because the first Pairing bid group does not contain an Else Start Next Bid Group bid. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1	Start Pairings	🔍 +
2	Prefer Off Between Friday And Saturday	
3	Avoid Pairings If Average Daily Credit < 005:00	
4	Award Pairings If Pairing Credit > 020:00	
5	Award Pairings If Departing On Monday, Tuesday, Wednesday	
	Award Pairings	
6	Start Pairings	🔍 +
7	Award Pairings If Pairing Credit > 020:00	☰
8	Award Pairings If Departing On Monday, Tuesday, Wednesday	
	Award Pairings	
	Start Pairings	
	Award Pairings	
	Start Reserve Bid	
	Start Reserve	

You will see the following message at the top of your bid:

Your bid cannot be submitted. Your bid contains multiple 'Start Pairings' bid groups. Each Pairing Bid Group that you enter, except for your last one, must contain a bid preference with 'Else Start Next Bid Group' or a 'Clear Schedule and Start Next Bid Group' bid. Edit your bid and resubmit.

This bid cannot be submitted because the first Max Above on the Start Reserve Bid bid group is larger than the second Start Reserve Bid bid group.

The screenshot displays a bid submission interface with a list of bid groups. The first group is '1 Start Pairings' with a magnifying glass and plus icon. It contains five sub-items: '2 Prefer Off Friday, Saturday', '3 Avoid Pairings If Average Daily Credit < 005:00', '4 Award Pairings If Pairing Credit > 020:00', and '5 Award Pairings If Departing On Monday, Tuesday, Wednesday If Pairing Credit > 020:00'. Below this is an 'Award Pairings' section. The next group is '6 Start Reserve Bid Max Above 6 Else Start Next Bid Group', followed by '7 Start Reserve Bid Max Above 5 Else Start Next Bid Group'. Below these are sections for 'Start Pairings', 'Award Pairings', 'Start Reserve Bid', and 'Start Reserve'.

You will see the following error message at the top of your bid.

Your bid cannot be submitted. You have entered a 'Start Reserve Bid' bid group with a Max Above Option. All Max Above Options on a 'Start Reserve Bid' must be of a higher value than the one preceding it.. Edit your bid and resubmit.

This bid cannot be submitted because it contains two Reserve bid groups and the first one does not contain an Else Start Next Bid Group option. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1 Start Pairings

2 Award Pairings If Pairing Credit > 020.00

3 Award Pairings If Departing On Monday, Tuesday, Wednesday If Pairing Credit > 020.00

Award Pairings

Start Pairings

Award Pairings

Start Reserve Bid

4 Start Reserve

5 Set Condition Minimum Days Off 5

6 Prefer Off Weekends

7 Prefer Off Dec 15, 2014, Dec 16, 2014, Dec 17, 2014

8 Start Reserve

9 Set Condition Minimum Days Off 5

10 Prefer Off Weekends

11 Prefer Off Dec 15, 2014, Dec 16, 2014, Dec 17, 2014

Start Reserve

You will see the following error message at the top of your bid.

Your bid cannot be submitted. Your bid contains multiple 'Start Reserve' groups. Each 'Start Reserve' group that you enter, except for your last one, must contain a bid preference with an 'Else Start Next Bid Group'. Edit your bid and resubmit.

8.1.G Concurrent Reserve - Bids That Cannot Be Submitted



Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.



The N-PBS Bidder interface does not allow you to add an RLL bid group as your first bid group.

The N-PBS Bidder interface will not allow the following bids to be submitted in Concurrent reserve.

This bid cannot be submitted because the first Pairing bid group does not contain an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid.

See [Else Start Next Bid Group](#) for more information on how to use this bid option.

1 Start Pairings

2 Prefer Off Nov 3, 2014 - Nov 7, 2014

3 Avoid Pairings If Departing On Saturday, Sunday

4 Award Pairings If Average Daily Credit < 004:00

5 Award Pairings If Departing On Tuesday, Wednesday, Thursday

Award Pairings

6 Start Pairings

7 Award Pairings If Average Daily Credit < 004:00

8 Award Pairings If Departing On Tuesday, Wednesday, Thursday

Award Pairings

Start Pairings

Award Pairings

Start Reserve

You will see the following error message:

Your bid cannot be submitted. Your bid contains multiple 'Start Pairings' bid groups. Each Pairing Bid Group that you enter, except for your last one, must contain a bid preference with 'Else Start Next Bid Group' or a 'Clear Schedule and Start Next Bid Group' bid. Edit your bid and resubmit.

This bid cannot be submitted because it contains two Reserve bid groups and the first one does not contain an Else Start Next Bid Group option. If you have multiple bid groups of the same type, either Pairing or Reserve, all bid groups except for the last one must have this bid. See [Else Start Next Bid Group](#) for more information on how to use this bid.

1 Start Reserve

2 Prefer Off Nov 3, 2014, Nov 4, 2014, Nov 5, 2014

3 Prefer Off Nov 17, 2014 - Nov 21, 2014

4 Start Reserve

5 Set Condition Maximum Days On 4

6 Prefer Off Weekends

Start Pairings

Award Pairings

Start Reserve

You will see the following error message at the top of you bid:

Your bid cannot be submitted. Your bid contains multiple 'Start Reserve' groups. Each 'Start Reserve' group that you enter, except for your last one, must contain a bid preference with an 'Else Start Next Bid Group'. Edit your bid and resubmit.

You cannot submit this bid because you have a Pairing bid group with an Else Start Next Bid Group option before an RLL bid group. Also, you cannot have a Reserve bid group with an Else Start Next option before an RLL bid group.

1	Start Pairings	 
2	Prefer Off Nov 3, 2014 - Nov 7, 2014	
3	Avoid Pairings If Departing On Saturday, Sunday	
4	Award Pairings If Average Daily Credit < 004:00	
5	Award Pairings If Departing On Tuesday, Wednesday, Thursday	
6	Clear Schedule and Start Next Bid Group	
Award Pairings		
7	Start Pairings (Reduced Lower Limit)	 
8	Award Pairings If Average Daily Credit < 004:00	
9	Award Pairings If Departing On Tuesday, Wednesday, Thursday	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve		

You will see the following error message:

Your bid cannot be submitted. Your bid must have at least 1 Non Reduced Lower Limit Pairing Bid Group without an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid before you can enter a Reduced Lower Limit Bid Group. Edit your bid and resubmit.

You cannot submit this bid because it contains multiple RLL bid groups and you don't have a bid preference with an Else Start Next Bid Group or a Clear Schedule and Start Next Bid Group in all of the RLL Bid Groups except for the last one.

1	Start Pairings	 
2	Award Pairings If Average Daily Credit < 004:00	
3	Award Pairings If Departing On Tuesday, Wednesday, Thursday	
Award Pairings		
4	Start Pairings (Reduced Lower Limit)	 
5	Award Pairings If Average Daily Credit < 004:00	
6	Award Pairings If Departing On Tuesday, Wednesday, Thursday	
Award Pairings		
7	Start Pairings (Reduced Lower Limit)	 
8	Award Pairings If Average Daily Credit < 004:00	
9	Award Pairings If Departing On Tuesday, Wednesday, Thursday	
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve		

You will see the following message:

Your bid cannot be submitted. Your bid contains multiple RLL bid groups. Each RLL Bid Group that you enter, except for your last one, must contain a bid preference with an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid. Edit your bid and resubmit.

8.1.H Concurrent Reserve - Bids That Can Be Submitted



Clear Schedule and Start Next Bid Group and Else Start Next Bid Group are taken into consideration with Coverage Awards. If the N-PBS Scheduler cannot honor a bid preference with an Else Start Next Bid Group option due to a Coverage Award it will move to the next bid group. Also, the N-PBS Scheduler will move to the next bid group if a Clear Schedule and Start Next Bid Group bid is present and a pairing is awarded through Coverage Awards using the system-generated Award Pairings bid.



The N-PBS Bidder interface does not allow you to add an RLL bid group as your first bid group.

The N-PBS Bidder interface will allow the following bids to be submitted in Concurrent reserve.

This bid can be submitted because it contains 1 Pairing and 1 Reserve bid group.

This bid can be submitted because the first bid group has a Clear Schedule and Start Next Bid Group at bid 6. You could also have an Else Start Next Bid Group option on one of the negative bid preferences. You can have multiple bid groups, either Pairing or Reserve, provided you an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid in all but the last non-RLL bid group.

1 Start Pairings

2 Prefer Off Weekends

3 Avoid Pairings If Average Daily Credit < 004:00

4 Award Pairings If Average Daily Credit < 004:00

5 Award Pairings If Departing On Monday, Tuesday

6 Clear Schedule and Start Next Bid Group

Award Pairings

7 Start Pairings

8 Prefer Off Weekends

9 Avoid Pairings If Average Daily Credit < 004:00

10 Award Pairings If Average Daily Credit < 004:00

11 Award Pairings If Departing On Monday, Tuesday

Award Pairings

Start Pairings

Award Pairings

Start Reserve

This bid can be submitted because the first Reserve bid group has an Else Start Bid Group option on bid 3. You can have multiple bid groups, either Pairing or Reserve, provided you an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid in all but the last non-RLL bid group.

1	Start Pairings	🔍 +
2	Prefer Off Weekends	
3	Award Pairings If Average Daily Credit < 004.00	☰
4	Award Pairings If Departing On Monday, Tuesday	
Award Pairings		
5	Start Reserve	+
6	Prefer Off Weekends	
7	Prefer Off Nov 3, 2014 - Nov 6, 2014 Else Start Next Bid Group	
8	Set Condition Maximum Days On 3	
9	Start Reserve	+
10	Prefer Off Weekends	
11	Set Condition Maximum Days On 3	
Start Pairings		
Award Pairings		
Start Reserve		

This bid can be submitted because the bid groups before the RLL bid group do not contain an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid.

1	Start Pairings	🔍 +
2	Prefer Off Weekends	
3	Award Pairings If Average Daily Credit < 004.00	
4	Award Pairings If Departing On Monday, Tuesday	
Award Pairings		
5	Start Reserve	+
6	Prefer Off Weekends	
7	Set Condition Maximum Days On 3	
8	Start Pairings (Reduced Lower Limit)	🔍 +
9	Award Pairings If Average Daily Credit > 005.00	
10	Award Pairings If Departing On Monday, Tuesday, Wednesday	☰
Award Pairings		
Start Pairings		
Award Pairings		
Start Reserve		

This bid can be submitted because there is a Pairings bid group without an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid after a Pairing bid group with these options. You can have multiple pairings and reserve bid groups with RLL bid groups provided you an Else Start Next Bid Group option or a Clear Schedule and Start Next Bid Group bid in all but the last non-RLL bid group.

1	Start Pairings	 
2	Prefer Off Weekends	
3	Award Pairings If Average Daily Credit < 004:00	
4	Clear Schedule and Start Next Bid Group	
Award Pairings		
5	Start Pairings	 
6	Award Pairings If Average Daily Credit < 004:00	
7	Award Pairings If Departing On Monday, Tuesday	
Award Pairings		
8	Start Reserve	
9	Prefer Off Weekends	
10	Set Condition Maximum Days On 3	
11	Start Pairings (Reduced Lower Limit)	 
12	Award Pairings If Average Daily Credit > 005:00	
13	Award Pairings If Departing On Monday, Tuesday, Wednesday	
Award Pairings		
Start Pairings		
Award Pairings		

Results Screen

Chapter 09

9.1 Results Screen

The Results screen displays the pairings you have been awarded for the current bid period, as well as the Reasons Report explaining how the N-PBS Scheduler handled each of your bid preferences. Results are displayed after your administration has finished processing the awards and has published the results.

Results Screen

Bid Period: 2014-11-01 To 2014-11-30 Confirmation # 1432830179 Last Submitted: 23 Feb, 2016 18:27

Results For: Nov2014 Sort By: Start Time

Results

Total In-Period Credit: 068:28

Awards

✓ **N00000**

Start Date 2014-10-31 | 06:10

End Date 2014-11-03 | 20:14

Total Credit

In-Period Credit

Positions

000:00

015:22

AA

✓ **6D**

Start Date 2014-11-06 | 00:00

End Date 2014-11-08 | 23:59

Total Credit

In-Period Credit

004:30

004:30

✓ **Q0077**

Start Date 2014-11-16 | 00:00

End Date 2014-11-16 | 02:00

Total Credit

In-Period Credit

Positions

000:01

000:01

AA

✓ **N7003**

Start Date 2014-11-17 | 07:10

End Date 2014-11-17 | 17:42

Total Credit

In-Period Credit

Positions

008:25

008:25

AA

✓ **N7500**

Start Date 2014-11-19 | 06:00

End Date 2014-11-19 | 14:55

Total Credit

In-Period Credit

Positions

004:00

004:00

AA

Reasons

Reasons Report

Period: NOV2014

Run: PBS_RUN_777_4

Seniority05182CategoryNYC-777-ADEHAAN70182

Minimum window <065:00>Maximum window <080:00>

Pre-Awards

RT2014-10-25 (000:00)

N25352014-10-26 (000:00)

N5604A2014-10-31 (015:22)

6D2014-11-06 (004:30)

(4 Pre-Awards, Running total: 019:52)

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9.1.A Awards – Quick View

See [Buttons](#) for a list of the buttons on each screen and their function.

Results For: Nov2014	Sort By: Start Time	Results	Total In-Period Credit: 068:28
----------------------	---------------------	---------	--------------------------------

The gray bar at the top of the screen displays the credit for the period. Also from here you can view results from past periods, sort your awards on the available criteria and view multiple pairing reports. You can click on a pairing number to view a single pairing report. The Results screen has two sections, Awards and Reasons.

9.1.B Awards

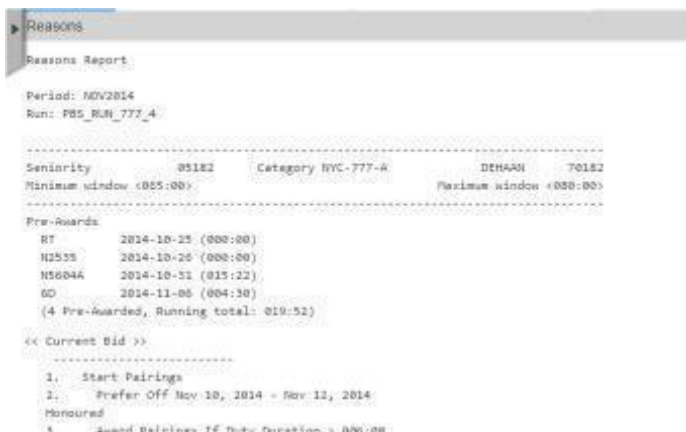
Awards

Awards					
✓ N00000	Start Date 2014-10-31 06:10	End Date 2014-11-03 20:14	Total Credit 000:00	In-Period Credit 015:22	Positions AA
✓ 6D	Start Date 2014-11-06 00:00	End Date 2014-11-08 23:59	Total Credit 004:30	In-Period Credit 004:30	
✓ Q0077	Start Date 2014-11-16 00:00	End Date 2014-11-16 02:00	Total Credit 000:01	In-Period Credit 000:01	Positions AA
✓ N7003	Start Date 2014-11-17 07:10	End Date 2014-11-17 17:42	Total Credit 008:25	In-Period Credit 008:25	Positions AA
✓ N7500	Start Date 2014-11-19 06:00	End Date 2014-11-19 14:55	Total Credit 004:00	In-Period Credit 004:00	Positions AA

The Awards pane displays the pairings that you have been awarded for the current bid period. By default each pairing is displayed on a separate line, arranged chronologically by date and time. You can sort activities and change the order of display. The Awards section also displays training, vacation, or other activities that were considered during scheduling.

9.1.C Reasons Reoprt

Sample reasons report



The Reasons report shows the results of each bid preference in your bid. This information can prove useful when bidding in the next period.

Each bid preference is numbered, and appears on the Reasons report followed by any pairings that were awarded as a result of the bid preference, and an explanation of how the bid preference affected your block.

Carry-out pairings are marked with an asterisk (*)

9.1.D Reasons Report Definitions

This section explains all of the potential reasons that might appear on your Reasons report.

Awarded by previous bids: X X number of pairings matched this bid preference, and were already awarded by a previous bid.

Awarded for coverage under a different bid pairings matching this bid preference were already awarded, and are listed under a different bid preference.

Awarded to senior bidder pairings matching this bid preference were already awarded to a bidder with higher seniority than you.

Awarded to senior shadow bidder pairings matching this bid preference were already awarded to a shadow bidder with higher seniority than you.

Best Line Before the N-PBS Scheduler attempted to build a pairing block, but it could not be built using your bid preferences and the criteria set by the Administrators, so the N-PBS Scheduler moved to your next bid group, the results of this attempt are listed in your Reasons report.

Best Line Before Empty: No Pairing Awards Possible the best line before is empty, the N-PBS Scheduler could not build a block with the pairings left in the available pairing pool.

Best Line Before Empty: Available Pairing Credit Insufficient (Line Not Attempted) the previous pairing completion attempt produced an empty best line before because there was insufficient available pairing credit to build a line so it was not attempted.

Best Line Before Empty: Block Time Limit Insufficient (Line Not Attempted) the previous pairing completion attempt produced an empty best line before because the N-PBS Scheduler calculated that a crewmember's Block Time Limit makes it unrealistic to complete a block.

Best Line Before Empty: SLG Could Not Find Line Including Priority Stack Date an SLG completion attempt produced an empty best line before because SLG quit early as it was required to include the priority stack date and could not.

Beyond bid limit: X X number of additional pairings matched this bid preference, but none were awarded because you placed a limit on the bid preference.

Bid denied this bid preference was denied, and there are pairings on your block that contradict this preference.

Block is complete this bid preference was not used to build your pairings because your pairings block was already complete before reaching this point.

If a number appears after the "Block is complete" reason, it indicates the number of pairings that matched the bid but were not awarded because your block was already complete. That is, it reached the minimum or threshold credit value.

Buddy cannot take pairing your buddy could not be awarded this pairing, so it can't be awarded to you either.

Could Not Build Complete Line with Pairing the pairing is available legally but cannot be used because it could not be fit into your block and still build a complete block.

Does not help required language coverage the pairing is required to help with specific language coverage and the pairing does not help with your required language coverage.

Filtered by higher bid: X X number of pairings matched this bid preference, but were filtered out of the available pairings pool by Avoid Pairings or Prefer Off bid preferences that were higher in your bid.

Followed By sequence not found no series of pairings could be found that matched your Followed By bid preferences.

Forgotten a Forget instruction was honored, and the N-PBS Scheduler ignored this bid preference

Honored this bid preference was used, and there are no pairings on your block that contradict this preference.

Item overlaps with another: X X number of pairings matched this bid preference, but overlapped with something already awarded.

Matching: X the total number of pairings that match this bid preference.

Maximum Max-Credit bidders Reached - the maximum number of Maximum Credit blocks have already been awarded.

Maximum Reduced Lower Limit Line Reached - the maximum number of RLL lines were awarded to senior bidders.

Minimum Base Layover line condition violated the minimum base layover line condition could not be met with this bid preference, and some layovers are shorter than the minimum time requested.

Maximum Min-Credit bidders Reached - the maximum number of Minimum Credit blocks have already been awarded.

Needed for Legality this pairing was awarded from a lower bid preference to honour either a Min Days Off, Min Days On or Pattern Set Condition bid preference.

Not considered this bid preference was denied, but there are no pairings on your block that contradict this preference.

Not-Considered Below Reduced Lower Cutoff - you are below the RLL cutoff as defined by the administrator.

Not-Considered Reduced Block - this means that you are defined as a reduced block bidder; reduced block bidders cannot be awarded an RLL block.

Not honored this bid preference was denied, and there are pairings on your block that contradict this preference.

Not qualified for language you did not have the language qualification necessary for these pairings.

Not used this bid preference was not used to build your block; either because your block was already complete or because you used a Clear Schedule and Restart bid preference.

No pairings available no pairings that met your Avoid Pairings and TimePrefer Off bid preferences were available to be awarded, usually because too many pairings were eliminated from the pairings pool by your Avoid Pairings and TimePrefer Off bid preferences.

Partially honored this Prefer Off bid preference was used, but there are also pairings on your block that contradict a portion of this preference. If you submit a range of dates that you want to be free of duty, the N-PBS Scheduler may be able to honor part of the range but not all of it, resulting in a partially honored bid preference.

Restricted location you were not qualified for the locations of the available pairings your personal profile restricts you from landing in stations in the available pairings.

[Rule violation] an FAR rule, or other legal consideration, prevented this bid preference from being honored The rule is identified in the reason included on your report.

Over maximum credits for period the pairing would have caused your block to exceed the maximum credit value for the bid period.

Prevents assignment of minimum GDO the pairing would have caused your block to contain more than two single GDOs.

Too many above you were not awarded a reserve block because the number of reserve blocks already awarded to senior bidders exceeded your maximum number.

Violates green on green the pairing could not be awarded without violating the green on green rule.

Additional Messages

You may see the following messages at the top of your Reasons report. These messages indicate that the N-PBS Scheduler had to ignore some of your preferences in order to give you a complete block or meet legal requirements or airline targets.

Affected By Denial Mode the N-PBS Scheduler had to deny some or all of your bids in order to build you a complete block

Affected by SLG the N-PBS Scheduler could not build you a block using any of your preferences and reached the end of Denial mode, so your block was built using secondary line generation (SLG)

Affected By Coverage a pairing or pairings were forced onto your block in order to meet airline targets for total number of pairings remaining in open time

Training Screen

Chapter 10

10.1 Training Screen

10.1.A Training Module Overview



When you log in to the N-PBS Bidder you will be notified on the Info page if you have training requirements. See, [Training Requirements](#) for more details.



Administrator allocation requirements must be met and take top priority. This means bid preferences can be denied to meet these requirements, however, senior bid preferences are not denied to meet bid preferences of junior crewmembers. See [Training Processing Logic](#) for more information.

Bid Period: 2011-06-01 To 2011-06-30 Confirmation # 1432836746 Last Submitted: 15 Mar, 2016 13:47 J. POULIOT (034086200) MSP-320-A-03586

Sort By: Training Nu

Training (40)

✓ 101 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 103 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 104 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 106 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 108 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
134 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
135 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 136 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 137 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 138 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 139 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days

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The NAVBLUE N-PBS Training Module allows you to bid for training patterns according to your individual likes and dislikes.

The bids that you submit using the N-PBS Bidder are submitted to the N-PBS Scheduler. Your bids and the training events and other parameters in the N-PBS Scheduler added by your administrator are used to automatically award training patterns for the bid period.

The N-PBS Scheduler considers each crewmember's seniority and bid when awarding training patterns and ensures that the awarded training events meet as many crewmember preferences as possible, while also meeting legal requirements and the airline's targets for training utilization. Training patterns are awarded strictly according to the seniority and training state of each bidder, with the most senior bidder's training pattern awarded first, and the most junior bidder's training pattern awarded last. There are three training requirement states: Must Go, May Go and Early (Early is not used in all configurations). Your administrator sets your training state based on your requirements.

Along with your awarded training patterns, the N-PBS Bidder provides a Reasons Report that identifies whether or not each bid preference was fulfilled, and also provides detailed explanations for awards and denials.

Important - When you click on Submit you are submitting your Current, Default and Training (if you have the Training module) bid to the N-PBS Scheduler. When you submit your bid you may see a message that not all bids have been submitted. The submit message will tell you what has been submitted and what hasn't. For example, if you submit a Default bid while Current bidding is closed you will see a message that your Default bid has been submitted, but your Current has not. You will always receive a confirmation number for any bid that has been submitted.

Related Topics

[Training Bid Structure](#)

[Training Module Processing Logic](#)

[Allocation of Training Pattern Awards](#)

10.1.B Training Requirements

When you log in to the N-PBS Bidder you will be notified on the Info page if you have training requirements.

Bidder Details Section on Info Screen

MSP-320-A			
Seniority:	03586	Reduced Block:	No
Eligible:	Yes	Restricted Equipment:	
Line Check:	No	Training Seniority:	03586
Airman:		Restricted Location:	
Stat Day Bank:	000:00	Restricted Positions:	
Green:	No	Training Requirements:	320CQ601641(MustGo)
Shadow Dates:			

There are 3 training requirement states depending on your Training Module configuration:

- [Must Go](#)
- [May Go](#)
- [Early](#)



Early is not used in all configurations of the Training Module.

Related Topics

[Avoid Voluntary Training Example](#)

[Training Module Processing Logic](#)

[Allocation of Training Awards](#)

10.1.C Must Go

If your training requirement is must go:

- the Info screen will display the training type and the text Must Go
- Training bids will be the default when you go to the Bids tab
- the N-PBS Scheduler will attempt to honor your bids, but you will still be awarded a training pattern even if your bids cannot be honored
- the Avoid Voluntary Training bid line will be ignored

10.1.D May Go

Crew members with requirements flagged as May Go are not required to take training in the next period but still may be awarded training patterns due to their seniority and requirements set by the administrator.

If your training requirement is may go:

- the Info screen will display the training type and the text May Go
- training bids are the default when you go to the Bids tab
- the Avoid Voluntary Training bid line can be used, but you might be awarded training patterns to meet administrator requirements
- if you are awarded a training pattern the N-PBS Scheduler will attempt to honor your bids but administrator requirements take priority

Seniority

- the N-PBS Scheduler ranks a senior's bid preferences above a junior crew member
- if the minimum May Go requirement can still be met, a senior May Go bidder can avoid training and the N-PBS Scheduler will award training to the junior Early



Early is not used in all configurations of the Training Module.

10.1.E Early



Early is not used in all configurations of the Training Module.

If your training requirement is Early:

- the Info screen will display the training type and the text Early
- training bids are the default when you go to the Bids tab
- the Avoid Voluntary Training bid line can be used, but you might be awarded training patterns to meet administrator requirements
- if you are awarded a training pattern the N-PBS Scheduler will attempt to honor your bids but administrator requirements take priority

Seniority

- the N-PBS Scheduler ranks a senior's bid preferences above a junior crewmember
- if the minimum May Go requirement can still be met, a senior May Go bidder can avoid training and the N-PBS Scheduler will award training, if necessary, to junior Early crewmembers

10.1.F Allocation of Training Patterns Awarded

- 300 Bidders for the period and 200 training patterns are available
- 100 Bidders have Must Go requirements
- 100 Bidders have May Go requirements
- 100 Bidders have Early Requirements

Administrator requirement Minimum Percentage of May Go's is set at 25% - this value is set by the administrator. Note: This example assumes that no bidders have more than 1 requirement.

- 100 Must Go bidders will be awarded 100 training patterns
- at least 25 of 100 May Go bidders will be awarded training patterns - May Go bidders may have their preferences denied to reach this number
- 75 further awards will be made if all training patterns are Junior Assign (meaning that they must be awarded) - depending on their bid preferences these may be Early or May Go bidders - see Junior Assign for more information

Remember that bid preferences of senior bidders are always taken into consideration, however it is not always possible to honor all bid preferences due to seniority, training patterns available and administrator requirements

10.1.G Search for Training Patterns

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed non risus. Suspendisse lectus tortor, dignissim sit amet, adipiscing nec, ultricies sed, dolor. Cras elementum ultrices diam. Maecenas ligula massa, varius a, semper congue, euismod

To search for training patterns:

1. Go to the Training screen.
2.  Click on the Show filters button to open the Training Preferences editor.

Training Nu	Start Time	End Time	Training Type	Total Credit	Seats	Locations	Categories
101 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
103 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
104 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
106 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
108 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
134 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
135 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
136 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
137 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
138 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A
139 MS	18:00	19:40	320CQ601641	009:45	1	MSP	MSP-320-A

- Use the Training Preferences editor to enter your search criteria. The Training Preferences editor has the same functionality as the [Pairing Preferences](#) editor.
- Click the **Apply** button.

The matching training patterns are displayed on the Results tab.



If a search returns too many training patterns, you can continue to refine the search by adding or changing search criteria and clicking on the Search button again.

You can also bid for or avoid training patterns from this screen. The process to bid for and avoid patterns is the same as bidding for or avoiding pairings. See [Add Bids from Search](#) for more information.

10.1.H View Training Pattern Details

The N-PBS Scheduler displays the results of a search on the Results tab. You can see summary information about each training pattern, but you can also view the complete details for one or more training patterns.

A training pattern with Yes beside Junior Assign means that the N-PBS Scheduler will award this training pattern to junior May Go and Early crewmembers even if they bid for no training patterns in the month. See Junior Assign and [Avoid Voluntary Training](#)

There are two ways to view training reports. You can click on a Training Pattern Number to view the report in the Training screen. The instructions below show you how to view reports on a new screen.

To view training pattern details

- Click one or more check mark beside the pattern number.

Old Period: 2011-06-01 To 2011-06-30 Confirmation # 1432836746 Last Submitted: 15 Mar, 2016 13:47 MSP-320-A-03586

Sort By: Training Nu

Training (40)

✓ 101 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 103 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 104 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 106 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 108 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
134 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
135 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 136 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 137 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 138 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days
✓ 139 MS	Start Time: 18:00	End Time: 19:40	Training Type: 320CQ601641	Total Credit: 009:45	Locations: MSP	Categories: MSP-320-A	Extra Properties: Event Period D.C...	02 Days

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2.  Click the Show Training Report button.

Old Period: 2011-06-01 To 2011-06-30 Confirmation # 1432836746 Last Submitted: 15 Mar, 2016 13:47 MSP-320-A-03586

Training Pattern Report(s)

101 MSP 320 A 323D 19

101 MSP 320 A 323D 19:
Categories: MSP-320-A
Satisfies: 320CQ601641
Seats: 1 Junior Assign: Yes

Absence	Identifier	Start	End	Credit	Parameters
* 20ND	601	Day 1 18:00	Day 2 00:00	006:30	D, 323
* 20ND	641	Day 2 13:40	Day 2 19:40	003:15	C, 323

W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T

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

103 MSP 320 A 322D 21

103 MSP 320 A 322D 21:
Categories: MSP-320-A
Satisfies: 320CQ601641
Seats: 1 Junior Assign: Yes

Absence	Identifier	Start	End	Credit	Parameters
* 20ND	601	Day 1 18:00	Day 2 00:00	006:30	D, 322
* 20ND	641	Day 2 13:40	Day 2 19:40	003:15	C, 322

W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T

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

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3. The Training Report or Reports are displayed in a new screen. Click the red X to return to the Training screen.

10.1.1 Training Bid Structure

When you first navigate to the training bid screen you will see an empty bid with three system-generated bid lines. Adding Training Bid Preferences is the same as adding bid preferences into Pairing and Reserve bid groups.

- Start Training
- Avoid Voluntary Training
- Award Training

Start Training

Start Training is always at the start of the bid and cannot be moved or edited. This bid line instructs the N-PBS Scheduler to begin building a training block.

Avoid Voluntary Training

Avoid Voluntary Training cannot be edited but it can be moved anywhere in your bid between Start Training and Award Training. This bid tells the N-PBS Scheduler that you do not want to be awarded training if you are not required to. However, you can be forced voluntary Training based on settings placed by your administrator and your Seniority.

You cannot avoid Voluntary Training if your Training Requirement is Must Go.

Award Training

Award Training is always at the end of your bid and cannot be edited or moved. This bid means Award Any Item if a training pattern must be awarded and earlier bids do not express any preference.

Related Topics

[Avoid Voluntary Training Example](#)
[Training Module Processing Logic](#)
[Allocation of Training Awards](#)

10.1.J Add a Training Bid

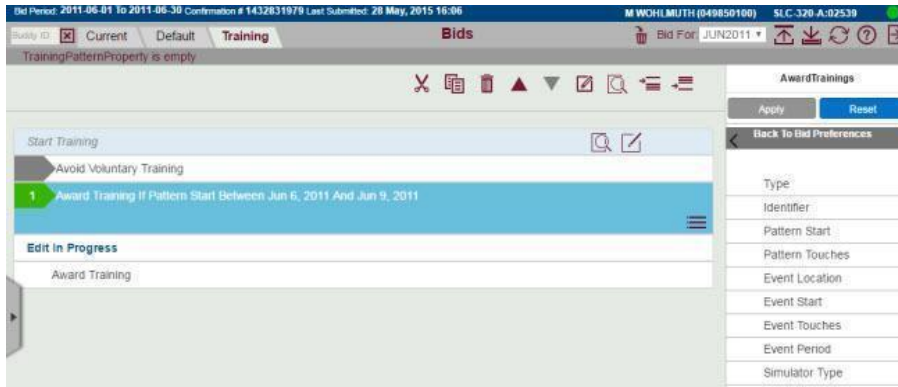
You can also analyze your training bid. The analyze functionality for training bids is the same as pairing bids. See the [Bid Analyzer](#) section for details.

To add a training bid:

1. Click on the Training tab.



2.  Click on the plus button to open the Training Preferences editor. The Training Preferences editor has the same functionality as the [Pairing Preferences](#) editor.
3. Use the Training Preferences editor to add bid preferences and its options.



4. Click Apply to add the bid preference.

10.1.K Avoid Voluntary Training



Avoid Voluntary Training is ignored if your training requirement is Must Go.

Avoid Voluntary is ignored if training events need to be filled and bidders with more seniority have avoided voluntary training. Your administrator sets a requirement for the minimum May Go that must be filled. The administrator also sets the Junior Assign status to each training pattern, if a pattern is set as Junior Assign the N-PBS Scheduler must award all of seats on the pattern.

The placement of the Avoid Voluntary Training bid is important. This bid tells the N-PBS Scheduler that you would prefer to get no training unless a training pattern is ranked as preferred based on your Award, Avoid or Prefer Off bids above it. If you are still awarded a training pattern this bid is ignored and your entire bid is used to award you a training pattern.

Start Training

1. Prefer Off Jun 20, 2011
2. Avoid Training If Equipment Type 2
3. Award Training If Start Time > 15:00
 - a. Avoid Voluntary Training
4. Award Training If Training Starts June 15, 2011
 - a. Award Training

Avoid Voluntary Training after bid 3 tells the N-PBS Scheduler that you would prefer **no voluntary training event** if it cannot award you training that starts after 15:00 that gives you June 20th off while avoiding equipment type 2. If you cannot avoid voluntary training the N-PBS Scheduler will attempt to award training that starts June 15.

Related Topics

Junior Assign Training Patterns
[Training Module Processing Logic](#)

10.1.L Training Module Processing Logic



Administrator allocation requirements must be met and take top priority. This means bid preferences can be denied to meet these requirements, however, senior bid preferences are not denied to meet bid preferences of junior crewmembers.

The N-PBS Scheduler considers all administrator requirements and bid preferences in seniority order as follows:

1. Satisfy all Must Go requirements
2. Satisfy at least the minimum May Go requirements or, failing that, satisfy as many May Go requirements as possible
3. Allocate all seats on all training patterns with the Junior Assign flag or, failing that, allocate as many Junior Assign seats as possible in total
4. Honor Bid Preferences of the number 1 seniority person as well as possible
5. Honor Bid Preferences of the number 2 seniority person as well as possible
6. Honor Bid Preferences of the number 3 seniority person as well as possible and so on through the training seniority list

10.1.M How the N-PBS Scheduler Awards Training Patterns

When awarding training patterns the N-PBS Scheduler has several run levels. In each level the N-PBS Scheduler attempts to satisfy the priorities in the order given above. When the N-PBS Scheduler reaches the bid honoring steps it attempts to rearrange awarded training patterns match bid preferences of each bidder in seniority order. As the run levels progress the N-PBS Scheduler uses a wider set of rearrangement techniques.

Run Level Processing Steps:

1. The N-PBS Scheduler makes awards, or rearranges awards to satisfy all Must Go requirements
2. The N-PBS Scheduler makes awards, or rearranges awards to satisfy at least the minimum May Go requirements
3. The N-PBS Scheduler makes awards, or rearranges awards to satisfy-as well as possible-the training patterns flagged as Junior Assign
4. The N-PBS Scheduler, in order of seniority, reads crewmember's bids and attempts to make awards or rearrange awards to honor as many bid preferences as possible - these rearrangement techniques become more complex as the run progresses



While the N-PBS Scheduler is using rearrangement techniques to honor bid preferences it must maintain the objectives satisfied in Steps 1 to 3.

10.1.N Training Processing Logic Examples



Administrator allocation requirements must be met and take top priority. This means bid preferences can be denied to meet these requirements, however, senior bid preferences are not denied to meet bid preferences of junior crew members.

10.1.O Two Crew Members with Must Go Requirements

- Both crewmembers are flagged as must go and there are only 2 training patterns available, A and B
- The senior crewmember can legally take A and B but would prefer to take A
- The junior crewmember cannot legally take B and can only attend A

Results

The N-PBS Scheduler would award B to the senior crewmember and the junior would get A. The need to allocate all training to all crewmembers flagged as must go takes priority over bid preferences.

Senior bid preferences can also be denied to meet the administrator requirements for may go.

10.1.P Two Crew Members with May Go and Must Go Requirements

The senior crewmember's requirement is flagged as may go while the junior crewmember's requirement is flagged as must go and there are only 2 training patterns available, A and B. The senior has volunteered for training, and would prefer to take A and can legally take A or B. The junior crewmember would prefer A and can legally take A or B.

Result

The N-PBS Scheduler would award A to the senior and the junior would be awarded B.

10.1.Q Crew Members with Early Requirements

Senior crewmembers flagged as early also have priority over junior crewmembers provided the administrator requirements are satisfied.

If the minimum May Go requirement has been met, the senior May Go bidder can avoid training and the N-PBS Scheduler will force training, if required, on junior Early crewmembers.



Early is not used in all configurations of the Training Module.

10.1.R View Your Training Awards

The Results screen displays the training patterns you have been awarded for the current bid period, as well as the Reasons Report explaining how the N-PBS Scheduler handled each of your bid preferences.



The Results tab shows you the scheduling results for the current training bid period, but it does not display your final block.

The Awards pane displays the training patterns that you have been awarded for the current bid period. Each training day of the training pattern is displayed on a separate line, arranged chronologically by date and time.

Each bid preference is numbered and appears on the Reasons report followed by any training patterns that were awarded as a result of the bid preference, and an explanation of how the bid preference affected your award.

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10.1.S Training Reasons Report Definitions

This section explains all of the potential reasons that might appear on your Training Reasons report.

Awarded by previous bids: X number of training patterns matched this bid preference, and were already awarded by a previous bid

Awarded to senior bidder: training patterns matching this bid preference were already awarded to a bidder with higher seniority than you

Complete Solution Not Found: no rearrangements exist to complete the award (including all juniors) while maintaining all overall administrator constraints.

Not honored: this bid preference was denied

Pre-awarded to junior bidder: this training pattern was pre-awarded to a junior bidder

No training patterns available: no training patterns that met your Avoid Patterns and Prefer Off bid preferences were available to be awarded, usually because too many training patterns were eliminated from the training patterns pool by your Avoid Patterns and Prefer Off bid preferences

Partially honored: this Prefer Off bid preference was used, but there are also training patterns that contradict a portion of this preference. If you submit a range of dates that you want to be free of duty, the N-PBS Scheduler may be able to honor part of the range but not all of it, resulting in a partially honored bid preference.

Required for Junior Must Go bidders: the training pattern is held by a junior Must Go bidder, no rearrangements can be made to award the bid preference and satisfy the junior's Must Go requirement.

[Rule violation]: a legal consideration, prevented this bid preference from being honored The rule is identified in the reason included on your report.

Would violate bid X: this bid violates a previous bid

Event Screen

Chapter 11

11.1.A Event Module Overview



When you log in to the N-PBS Bidder you will be notified on the Info page if you have Event requirements. See, [Training Requirements](#) for more details.



Administrator allocation requirements must be met and take top priority. This means bid preferences can be denied to meet these requirements, however, senior bid preferences are not denied to meet bid preferences of junior crewmembers. See [Training Processing Logic](#) for more information.

Bid Period: 2018-01-15 To 2018-02-11 Confirmation # Bids Modified Last Submitted: 22 May, 2018 17:37														
Sort By: Event Number														
Event (3)														
Mon Tue Wed Thr Fri Sat Sun Mon Tue Wed Thr Fri Sat Sun Mon Tue Wed Thr Fri Sat Sun														
POSCA Start Time 05:00 End Time 17:00														
Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA 04 Days														
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11														
POSCA Start Time 12:00 End Time 23:59														
Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA 03 Days														
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11														
POSCA Start Time 12:00 End Time 23:59														
Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA 04 Days														
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11														

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The NAVBLUE N-PBS Event Module allows you to bid for event patterns according to your individual likes and dislikes.

The bids that you submit using the N-PBS Bidder are submitted to the N-PBS Scheduler. Your bids and the events along with other parameters in the N-PBS Scheduler added by your administrator are used to automatically award event patterns for the bid period.

The N-PBS Scheduler considers each crewmember's seniority and bid when awarding event patterns and ensures that the awarded events meet as many crewmember preferences as possible, while also meeting legal requirements and the airline's targets for Event utilization. Event patterns are awarded strictly according to the seniority, with the most senior bidder's event pattern awarded first, and the most junior bidder's event pattern awarded last.

Along with your awarded event patterns, the N-PBS Bidder provides a Reasons Report that identifies whether or not each bid preference was fulfilled, and also provides detailed explanations for awards and denials.

Important - When you click on Submit you are submitting your Current, Default and Event (if you have the Event module) bid to the N-PBS Scheduler. When you submit your bid you may see a message that not all bids have been submitted. The submit message will tell you what has been submitted and what hasn't. For example, if you submit a Default bid while Current bidding is closed you will see a message that your Default bid has been submitted, but your Current has not. You will always receive a confirmation number for any bid that has been submitted.

11.1.B Must Go Bidders and Junior Assign

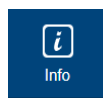
The N-PBS Scheduler looks at your Event Requirements status and the Junior Assign status of an event when awarding events. This section shows you how to determine your event requirement and if an event is flagged as junior assign. See [Training Module Processing Logic](#) for more information on how you are awarded event patterns.

Must Go Requirement

The Info screen displays your status for event requirement in the Bidder Details section. See [Info screen](#) for more information on the Info screen.

The Info screen is the default screen when you first log in, or you can navigate to it at any time by

clicking on the Info button



In the sample screenshot the bidder is flagged as Must Go.

Bid Period: 2018-01-15 To 2018-02-11 Confirmation # Bids Modified Last Submitted: 22 May, 2018 17:37 D PER (1012) POS-738-CA:19

Information

Bidder Details

Name : D PEREIRA Bid Period : Feb2018
Employee Number : 1012 Bid Period Start : 2018-01-15
Bid Period End : 2018-02-11

Total Pairings Day Wise

POS-738-CA

Seniority: 19	Reduced Block: No	Restricted Location:
Eligible: Yes	Restricted Equipment:	Restricted Positions:
	Event Seniority: 108	Event Requirements: POSCARSV(MustGo)

Bidding Information Upcoming Activities

Junior Assign

You can determine if an event is flagged as Junior Assign by looking at the event details. See [View Pattern Details](#) for more information.

In the sample screenshot the event is flagged as Junior Assign.

POSCA Start Time 05:00 End Time 17:00 Event Type POSCARSV Total Credit 000:00 Locations POS Categories POS-738-CA

Seats 1 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11

POSCA738RVA-4
Categories: POS-738-CA
Satisfies: POSCARSV
Seats: 1 Junior Assign: Yes

Absence	Identifier	Start	End	Credit	Parameters
* RVA	RV1	Day 1 05:00	Day 1 17:00	000:00	
* RVA	RV2	Day 2 05:00	Day 2 17:00	000:00	
* RVA	RV3	Day 3 05:00	Day 3 17:00	000:00	
* RVA	RV4	Day 4 05:00	Day 4 17:00	000:00	

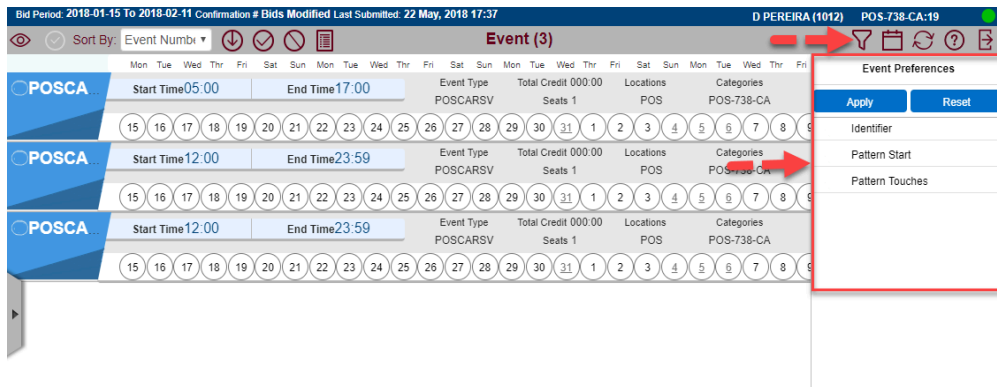
Feb2018

S	M	T	W	T	F	S
15	16	17	18	19	20	
21	22	23	24	25	26	27
28	29	30	31	01	02	03
04	05	06	07	08	09	10
11						

11.1.C Search for Event Patterns

To search for event patterns:

-  Click on the Event button to go to the Event screen.
-  Click on the Show filters button to open the Event Preferences editor.



3. Use the Event Preferences editor to enter your search criteria. The Event Preferences editor has the same functionality as the [Pairing Preferences](#) editor.
4. Click the **Apply** button.

The matching event patterns are displayed on the Results tab.



If a search returns too many event patterns, you can continue to refine the search by adding or changing search criteria and clicking on the Apply button again to begin a new search.

You can also bid for or avoid event patterns from this screen. The process to bid for and avoid patterns is the same as bidding for or avoiding pairings. See [Add Bids from Search](#) for more information.

11.1.D View Event Pattern Details

The N-PBS displays the results of a search on the Results tab. You can see summary information about each training pattern, but you can also view the complete details for one or more training patterns.

A training pattern with Yes beside Junior Assign means that the N-PBS Scheduler will award this training pattern to junior May Go and Early crewmembers even if they bid for no training patterns in the month. See Junior Assign and [Avoid Voluntary Training](#)

There are two ways to view training reports. You can click on a Training Pattern Number to view the report in the Training screen. The instructions below show you how to view reports on a new screen.

To view training pattern details

1. Click one or more check mark beside the pattern number.

Bid Period: 2018-01-15 To 2018-02-11 Confirmation # Bids Modified Last Submitted: 22 May, 2018 17:37																														D PEREIRA (1012) POS-738-CA:19									
Sort By: Event Number															Event (3)																								
Mon Tue Wed Thr Fri Sat Sun Mon Tue Wed Thr Fri Sat Sun															Mon Tue Wed Thr Fri Sat Sun															Mon Tue Wed Thr Fri Sat Sun									
Start Time05:00 End Time17:00															Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA															04 Days									
Seats 1															15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11																								
Start Time12:00 End Time23:59															Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA															03 Days									
Seats 1															15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11																								
Start Time12:00 End Time23:59															Event Type POSCARSV Total Credit 000.00 Locations POS Categories POS-738-CA															04 Days									
Seats 1															15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11																								

2.  Click the Show Event Report button.

Event Pattern Report(s)

1

POSCA738RVA-4

POSCA738RVA-4

Categories: POS-738-CA

Satisfies: POSCARSV

Seats: 1 Junior Assign: Yes

Feb2018

S

M

T

W

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F

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28

29

30

31

01

02

03

04

05

06

07

08

09

10

11

Absence

Identifier

Start

End

Credit

Parameters

* RVA

RV1

Day 1

05:00

Day 1

17:00

000:00

* RVA

RV2

Day 2

05:00

Day 2

17:00

000:00

* RVA

RV3

Day 3

05:00

Day 3

17:00

000:00

* RVA

RV4

Day 4

05:00

Day 4

17:00

000:00

M

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POSCARB-3

POSCARB-3

Categories: POS-738-CA

Satisfies: POSCARSV

Seats: 1 Junior Assign: Yes

Feb2018

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06

07

08

09

10

11

Absence

Identifier

Start

End

Credit

Parameters

* RVB

RV1

Day 1

12:00

Day 1

23:59

000:00

* RVB

RV2

Day 2

12:00

Day 2

23:59

000:00

* RVB

RV3

Day 3

12:00

Day 3

23:59

000:00

3. The Event Report or Reports are displayed in a new screen. Click the red X to return to the Training screen.

11.1.E Event Bid Structure

When you first navigate to the event bid screen you will see an empty bid with three system-generated bid lines. Adding Event Bid Preferences is the same as adding bid preferences into Pairing and Reserve bid groups.

- Start Event
- Avoid Voluntary Event
- Award Event

Start Event

Start Event is always at the start of the bid and cannot be moved or edited. This bid line instructs the N-PBS Scheduler to begin building an event block.

Avoid Voluntary Event

Avoid Voluntary Event cannot be edited but it can be moved anywhere in your bid between Start Event and Award Event. This bid tells the N-PBS Scheduler that you do not want to be awarded event if you are not required to. However, you can be forced voluntary Event based on settings placed by your administrator and your Seniority.

You cannot avoid Voluntary Event if your Event Requirement is Must Go.

Award Event

Award Event is always at the end of your bid and cannot be edited or moved. This bid means Award Any Item if a event pattern must be awarded and earlier bids do not express any preference.

11.1.F Add an Event Bid

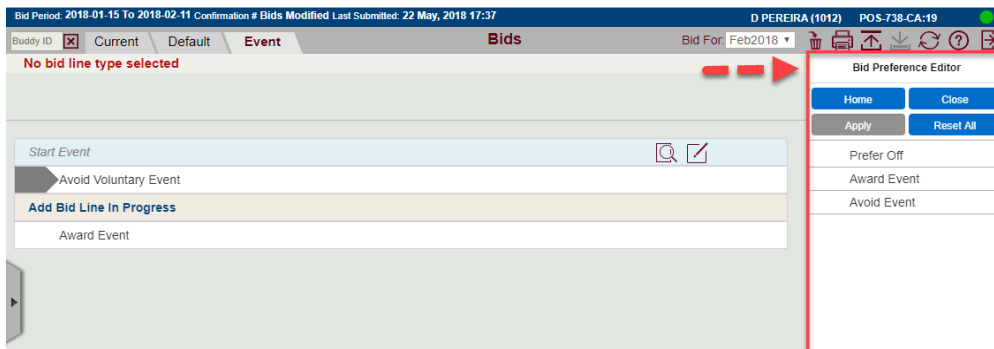
You can also analyze your event bid. The analyze functionality for event bids is the same as pairing bids. See the [Bid Analyzer](#) section for details.

To add a event bid:

1. Click on the Event tab.



2.  Click on the plus button to open the Event Preferences editor. The Event Preferences editor has the same functionality as the [Pairing Preferences](#) editor.
3. Use the Event Preferences editor to add bid preferences and its options.



4. Click Apply to add the bid preference. The Apply button will only be enabled when you have enough options added to the bid preference.

11.1.G Avoid Voluntary Event



Avoid Voluntary Event is ignored if your event requirement is Must Go. See [Must Go Bidders and Junior Assign](#) for more information.

Avoid Voluntary is ignored if events need to be filled and bidders with more seniority have avoided voluntary event. Your administrator sets a requirement for the minimum May Go that must be filled. The administrator also sets the Junior Assign status to each event pattern, if a pattern is set as Junior Assign the N-PBS Scheduler must award all of seats on the pattern.

The placement of the Avoid Voluntary Event bid is important. This bid tells the N-PBS Scheduler that you would prefer to get no event unless a event pattern is ranked as preferred based on your Award, Avoid or Prefer Off bids above it. If you are still awarded a event pattern this bid is ignored and your entire bid is used to award you a event pattern.

Start Event

1. Prefer Off Jun 20, 2018
2. Avoid Event If Equipment Type 2
3. Award Event If Start Time > 15:00
 - a. Avoid Voluntary Event
4. Award Event If Event Starts June 15, 2018
 - a. Award Event

Avoid Voluntary Event after bid 3 tells the N-PBS Scheduler that you would prefer **no voluntary event event** if it cannot award you event that starts after 15:00 that gives you June 20th off while avoiding equipment type 2. If you cannot avoid voluntary event the N-PBS Scheduler will attempt to award event that starts June 15.

11.1.H Event Module Processing Logic

How your bid is processed is determined by requirement status and event pattern details. It is possible that there are no bidders flagged as May Go. See [Must Go Bidders and Junior Assign](#) for more information on how to determine these qualities.



Administrator allocation requirements must be met and take top priority. This means bid preferences can be denied to meet these requirements, however, senior bid preferences are not denied to meet bid preferences of junior crewmembers.

The N-PBS Scheduler considers all administrator requirements and bid preferences in seniority order as follows:

1. Satisfy all Must Go requirements
2. Satisfy at least the minimum May Go requirements or, failing that, satisfy as many May Go requirements as possible
3. Allocate all seats on all training patterns with the Junior Assign flag or, failing that, allocate as many Junior Assign seats as possible in total
4. Honor Bid Preferences of the number 1 seniority person as well as possible
5. Honor Bid Preferences of the number 2 seniority person as well as possible
6. Honor Bid Preferences of the number 3 seniority person as well as possible and so on through the training seniority list

11.1.I How the N-PBS Scheduler Awards Training Patterns

When awarding training patterns the N-PBS Scheduler has several run levels. In each level the N-PBS Scheduler attempts to satisfy the priorities in the order given above. When the N-PBS Scheduler reaches the bid honoring steps it attempts to rearrange awarded training patterns match bid preferences of each bidder in seniority order. As the run levels progress the N-PBS Scheduler uses a wider set of rearrangement techniques.

Run Level Processing Steps:

1. The N-PBS Scheduler makes awards, or rearranges awards to satisfy all Must Go requirements
2. The N-PBS Scheduler makes awards, or rearranges awards to satisfy at least the minimum May Go requirements
3. The N-PBS Scheduler makes awards, or rearranges awards to satisfy-as well as possible-the training patterns flagged as Junior Assign
4. The N-PBS Scheduler, in order of seniority, reads crewmember's bids and attempts to make awards or rearrange awards to honor as many bid preferences as possible - these rearrangement techniques become more complex as the run progresses



While the N-PBS Scheduler is using rearrangement techniques to honor bid preferences it must maintain the objectives satisfied in Steps 1 to 3.

11.1.J View Your Event Pattern Awards

The Results screen displays the Reasons Report explaining how the N-PBS Scheduler handled each of your bid preferences.



The Results tab shows you the scheduling results for the current training bid period, but it does not display your final block.

The Awards pane, at the top of the screen, displays your absences that you may have before the run was completed. Each absence is displayed on a separate line, arranged chronologically by date and time.

Each bid preference is numbered, and appears on the Reasons report followed by any training patterns that were awarded as a result of the bid preference, and an explanation of how the bid preference affected your award.

Bid Period: 2018-01-15 To 2018-02-11 Confirmation # Bids Modified Last Submitted: 22 May, 2018 17:37

D PEREIRA (1012)

POS-738-CA:19

Results For: Feb2018 Sort By: Start Time

Results

Total In-Period Credit:000.00

Awards

☐ GS	Start Date 2018-01-31 08:00	End Date 2018-01-31 16:00	Total Credit 000.00	In-Period Credit 000.00
☐ SM	Start Date 2018-02-04 10:30	End Date 2018-02-06 14:30	Total Credit 000.00	In-Period Credit 000.00

Reasons

Reasons Report

Period: Feb2018

Run: EventAward1

Event Seniority 108 Group Pilot-Trainin PEREIRA 1012

POSCARSV (HustGo)

Results Summary

POSCARVB-3 2018-01-28 POSCARSV

Pre-Awards

GS 2018-01-31

SM 2018-02-04

<< Bid >>

Start Event

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11.1.K Event Reasons Report Definitions

This section explains all of the potential reasons that might appear on your Event Reasons report.

Awarded by previous bids: X X number of event patterns matched this bid preference, and were already awarded by a previous bid.

Awarded to senior bidder: event patterns matching this bid preference were already awarded to a bidder with higher seniority than you.

Complete Solution Not Found: no rearrangements exist to complete the award (including all juniors) while maintaining all overall administrator constraints.

Not honored: this bid preference was denied

Pre-awarded to junior bidder: this event pattern was pre-awarded to a junior bidder.

No event patterns available: no event patterns that met your Avoid Patterns and Prefer Off bid preferences were available to be awarded, usually because too many event patterns were eliminated from the event patterns pool by your Avoid Patterns and Prefer Off bid preferences.

Partially honored: this Prefer Off bid preference was used, but there are also event patterns that contradict a portion of this preference. If you submit a range of dates that you want to be free of

duty, the N-PBS Scheduler may be able to honor part of the range but not all of it, resulting in a partially honored bid preference.

Required for Junior Must Go bidders: – the event pattern is held by a junior Must Go bidder, no rearrangements can be made to award the bid preference and satisfy the junior's Must Go requirement.

[Rule violation]: a legal consideration, prevented this bid preference from being honored The rule is identified in the reason included on your report.

Would violate bid X: this bid violates a previous bid

Bid Preference

Chapter 12

12.1 Positive and Negative Bid Preferences

It is important to understand the difference between positive and negative bid preferences when constructing your bids.

12.1.A Negative Bids

- Prefer Off
- Avoid Pairings



Negative bids remove pairings from the available pairing pool, while positive bids take pairings from the available pool and add them to your block. With negative bids only one instance of the bid preference within the pairing must match the bid preferences.

12.1.B Positive Bids

- Award Pairings



Remember that the junior buddy's bid is used to build the block for both buddies, but the senior buddy should also enter a bid, as a precaution. With positive bids the N-PBS Scheduler looks for pairing attributes that match the bid preference, only one attribute of a pairing must match a bid preference for it to remain in the available pairing pool.

12.1.C Consider the Following Example:

1. Start Pairings
2. Prefer Off Monday, Tuesday
3. Avoid Pairings **IF** Departing On Between 01:00 and 06:00
4. Award Pairings **IF** Layovers in MIA, BOS
 - a. Award Pairings

In this example the N-PBS Scheduler reads the Prefer Off and Avoid Pairings preferences and immediately removes all pairings that work on Mondays and Tuesdays and all pairings reporting between 1:00 am and 6:00 am. The Scheduler then begins to look for pairings in the available pairing pool that contain at least one layover in Miami and/or Boston. You will not be awarded a pairing with layovers in Miami or Boston if it works on a Monday or Tuesday or departs between 1:00 am and 6:00 am.

All pairings that operate on a Monday or Tuesday are removed from the available pairing pool by Bid 2. All pairings that depart between 1:00 am and 6:00 am are removed from the available pairing pool by Bid 3.



If the N-PBS Scheduler enters denial mode Set Condition, Prefer Off and Avoid Pairing bid preferences are removed from your bid and your bid is reprocessed. For details, see Denial Mode in the Processing Logic section.

12.2 Prefer Off Bid Preferences

Prefer Off bid preferences request dates or days off during the bid period. You can select days of the week, specific dates or ranges of dates, and times of day that you want to be free of duty. Prefer Off bid preferences are negative bids that exclude pairings from consideration.

12.3 Award Pairings Bid Preferences

Award Pairings bid preferences identify the things you want to do, your work preferences, for the current bid period. Award Pairings bid preferences include options that identify particular characteristics of pairings that you like, such as types of layovers, duty duration, pairing credit etc. Award Pairings bid preferences include pairings for consideration, these bids add pairings to your block.

Items in Bids within a Comma Separated List



The N-PBS Scheduler considers items (dates, pairings, etc) within a comma separated list on Award bids to have equal preference. For example, in the following bid, Awards Pairings if Departing On May 10, 2015, May 14, 2015 If Pairing Number W1717, each date has equal preference. The N-PBS Scheduler does not consider Pairing W1717 on May 10 to be more important to you than pairing W1717 on May 14. If May 10 has more importance to you than May 14 it should be in a separate bid, entered in priority order.

12.4 Any/Every Options

This bid has an **Any** or **Every** option.

If you use **Any** - only one leg of the pairing has to contain the property for it to be awarded **or avoided**.*

If you use **Every** - every leg of the pairing has to contain the property for it to be awarded **or avoided**.*



Avoid Every only removes pairings where every leg has the property to be avoided. For example, Avoid Pairings if Every Leg is Redeye does not remove pairings where not all legs are redeyes. It only removes pairings where every leg is a redeye.

See [Using Any or Every](#) for more information.

ipsum dolor sit amet,

12.1.A Limit (Award Pairings Only)

You can tell the N-PBS Scheduler to limit the number of pairings it awards you that match a specific bid preference. For example, if you like to have one or two four-day pairings in your block, but not three or four, you can tell the N-PBS Scheduler to award you no more than two four-day pairings by adding Limit 2 to your bid preference.

Award Pairings Bid Example - Award Pairings If Pairing Length = 4 Days Limit 2

- awards one or two pairings that are 4 days in length



Limit only applies to the bid preference that you add it to.

- add a limit, or cap, to the number of pairings awarded based on a single Award Pairings bid preference

Award Pairings bid example - Award Pairings If Charter Limit 2

- the N-PBS Scheduler awards you a maximum of two pairings that contain charter flights, even if more pairings match the bid preference

12.5 Avoid Pairings Bid Preferences

Avoid Pairings bid preferences identify the things you don't want to do, the unwanted pairings or pairing criteria, for the current bid period. Avoid Pairings bid preferences include most of the same options as Award Pairings bid preferences, so you can identify types of layovers, stations, duty length, etc., that you don't like. Avoid Pairings bid preferences exclude pairings from consideration. Avoid Pairings bid preferences affect any Award Pairings bid preferences that follow them in your bid. For example, if you add the bid preference **Avoid Pairings If Average Daily Credit < 006:00**, all pairings with an average daily credit that is less than six hours are removed from consideration once the N-PBS Scheduler reaches that bid preference, even if they meet the rest of the criteria for an Award Pairings bid preference that appears after the Avoid Pairings bid preference.

12.5.A Any/Every Options

This bid has an **Any** or **Every** option.

If you use **Any** - only one leg of the pairing has to contain the property for it to be awarded **or avoided***.

If you use **Every** - every leg of the pairing has to contain the property for it to be awarded **or avoided***.



***In most configurations Any and Every options are not available for Avoid Pairings Bid Preferences. If you do not see these options on your avoid bids you do not have them.**

Avoid Every only removes pairings where every leg has the property to be avoided. For example, Avoid Pairings if Every Leg is Redeye does not remove pairings where not all legs are redeyes. It only removes pairings where every leg is a redeye.

See [Using Any or Every](#) for more information.

12.6 Using Any or Every



***In most configurations Any and Every options are not available for Avoid Pairings Bid Preferences. If you do not see these options on your avoid bids you do not have them.**

Avoid Every only removes pairings where every leg has the property that you want to avoid. For example, Avoid Pairings if Every Leg is Redeye does not remove pairings where not all legs are redeyes. It only removes pairings where every leg is a redeye.

12.6.A Bid Preferences and Pairing Properties

There are two types of bid preferences to consider with **Any** and **Every**. Bid preferences that award/avoid pairings with properties that are always present and properties that may not be present in a pairing.

Properties that are always present: Aircraft Type, Duty Legs, Duty On, Duty Duration and Employee Number. Pairings will always have at least one aircraft type, duty leg, duty on (and it's sub properties) and duty duration.

Properties that are not always present: Layover, Line Check Airmen, Split Duty, Charters, Sit Length, Redeyes, Enroute Check-In and Check-Out. There can be pairings that do not have any of these properties.

If a pairing does not have these properties it **will not** match:

If Every

- If Not Every
- If Any
- If a pairing does not have these properties it **will** match:
- If Not Any

Using Layovers as an example:

- If Every Layover < 24:00
 - A pairing only matches if it has at least 1 layover AND every layover is < 24:00.
- If Not Every Layover < 24:00

- o A pairing only matches this property if it has at least 1 layover AND not every layover is < 24:00. For example, the pairing must have at least 1 layover which is not < 24:00. A pairing with zero layovers is not considered.
- If Any Layover < 24:00
 - o A pairing only matches this property if it has at least 1 layover < 24:00.
- If Not Any Layover < 24:00
 - o A pairing matches this property whenever it does not have at least 1 layover < 24:00.

This includes pairings with zero layovers. It also includes pairings with at least 1 layover with no layovers < 24:00.

12.6.B Deadhead Legs

The new Any/Every options will not make any changes to whether deadhead legs count as matching.

In past releases, Flight Number would match if any leg (either deadhead or non-deadhead) matched. Therefore for this property, If Any will be matched if any leg (deadhead or non-deadhead) matches. If Every will only be matched if every leg (deadhead and non-deadhead) matches.

The properties Redeyes, Charter, Aircraft Type and Employee Number would previously have been matched only if a non-deadhead leg matched. Therefore for these properties, If Any will only be matched if at least 1 non-deadhead leg matches. If Every will be matched if every non-deadhead leg matches.

The property Landings In will include deadhead legs only if the bidder uses the option **Counting Deadhead Legs**.

12.7 Waive Bid Preferences



Waive bid preferences are not available in all configurations. If you don't see Waive bid preferences they are not available.

Waive bid preferences tell the N-PBS Scheduler that you want certain rules adjusted or disregarded while your block is built. Some rules can be completely disregarded, while other rules can only be adjusted. The rules that you can waive are all visible in the interface. If a rule isn't visible, you can't waive it.

12.8 Instruction Bid Preferences

Instruction bid preferences provide special instructions that tell the N-PBS Scheduler how to manage specific bid preferences, or what to do if it can't construct a legal block using your initial bid. Instruction bid preferences tell the N-PBS Scheduler what restrictions to remove when processing your bid, in order to complete your block.



Instruction bid preferences are often used to provide the N-PBS Scheduler with more options for creating a legal block before entering Denial mode.

Denial mode occurs if the N-PBS Scheduler could not award you a block that reaches the minimum credit window while honoring all of your bid preferences.



Redo From Line is always used with Forget Line, but Forget Line can be used alone. These instructions usually add pairings back into your pairing pool that the N-PBS Scheduler can consider adding to your block.

12.9 Clear Schedule and Start Next Bid Group



Bid Groups are independent of each other. Bid Preferences are only relevant for the bid group they are contained in. Any Pairings awarded from previous bids are removed if a Clear Schedule and Start Next Bid Group is triggered.

Clear Schedule and Start Next can only be placed inside a Pairings bid group. You cannot attach this bid to another bid. By adding a Clear Schedule and Start Next bid, you tell the N-PBS Scheduler to clear your schedule of any awarded pairings and begin processing the next bid group. A Clear Schedule and Start Next bid is forced to the bottom of your bid group and any bid preferences added to that bid group are forced above the Clear Schedule and Start Next bid preference.

12.9.A Guidelines

If you use Clear Schedule and Start Next Bid Group, keep the following points in mind:

the N-PBS Scheduler only uses the specific bid preferences you provide in the last bid group; optimization such as substitution and shuffling is performed to try and complete your schedule prior to executing the Clear Schedule and Start Next Bid Group command.

If you use this command in your last bid group the N-PBS Scheduler uses the system-generated bid groups to complete your block; this means that the N-PBS Scheduler will attempt to build you a pairings block using the Award Pairings system-generated bid preference, if a complete block still cannot be built the N-PBS Scheduler attempts to build you a Reserve block using the system-generated bid preference Start Reserve

If you submit a bid with A CSSN bid in a bid group without a bid group after it, you will see the following message:

SEA-340-FA : User entered Pairing bid group [1] contains instruction ('Else Start Next Bid Group' or 'Clear Schedule Start Next') to go to the next bid group but next bid group wasn't added, do you still want to submit the bids ?

OK

Cancel

12.10 Set Condition Bid Preference

Using Set Condition bid preferences tells the N-PBS Scheduler something about your block, by setting a global condition of some type, such as maximum or minimum credit, patterns of days on or off.

There are two ways that Set Condition bids are placed in the bid group, they are either placed automatically at the top of the bid group or they can be placed above or below Avoid and Prefer Off bid preferences but are forced above Award bid preferences.

12.10.A Bids Forced to Top of the Bid Group

Vacation GDO, Reserve GDO and Slide Vacation bids are automatically forced to the top of a bid group - these bids are not available in all configurations. These bids are denied only after all of your Avoid Pairings and Prefer Off bid preferences have been denied. Make sure you consider the order in which bid preferences are denied, particularly if some of your Avoid Pairings and Prefer Off bid preferences are more important to you than the Set Condition bid preferences.

12.10.B Bids Forced Above Award Bid Preferences

Any Set Condition not mentioned above can be placed anywhere in a bid group above an Award Pairings bid preference. These bids cannot be forgotten, this includes the Minimum Base Layover as well. *Minimum Base Layover is not available in all configurations*

Processing Logic

Chapter 13

13.1.A

How the N-PBS Scheduler Uses Your Pairing Bids

Starting at the top of your Pairings bid group, the N-PBS Scheduler reads each of your bid preferences and remembers all restrictions you specify. The N-PBS Scheduler must honor all Set Condition, Prefer Off, and Avoid Pairings bid preference 100% unless you later instruct the N-PBS Scheduler to Forget a bid preference, or the N-PBS Scheduler enters [Denial Mode](#).

When the N-PBS Scheduler reaches your first Award Pairings bid preference, it searches the pool of available pairings (now restricted by any prior Prefer Off and Avoid Pairings bid preferences) and begins awarding pairings that match this preference. Each attempt to place a pairing in your block has a rules check performed against it, to ensure that the resulting block is legal. If the N-PBS Scheduler has awarded as many pairings that match this Award preference as possible and your block is not complete, it moves on to the next preference. The N-PBS Scheduler continues to read your bid until it completes your block or reaches the last bid preference.



Once your block is complete, the N-PBS Scheduler stops processing your bid, even if it has not reached the last bid preference. Processing Logic is different in Reserve bid groups.

If your block is still not complete when the N-PBS Scheduler reaches your last bid preference, it reads the system-generated bid preference, Award Pairings, and begins to fill your block by awarding any available pairings that respect your Prefer Off and Avoid Pairings bid preferences. If the block is still not complete, the N-PBS Scheduler tries to replace pairings with alternatives that match the same or lower bid preferences and still honor your Set Condition, Prefer Off, and Avoid Pairings bid preferences. For example, the N-PBS Scheduler may remove one pairing that matches bid preference 6 and replace it with two pairings that match bid preference 7 and complete the block.



[Shuffling](#) only considers pairings that have been awarded by Award bid preferences that appear after the last deniable bid preference in the bid.

Also note that shuffling tries create a complete block by replacing pairings that match a higher bid with pairings that have more credit value. Shuffling is the only time when pairings that match a lower bid may be awarded instead of pairings that match a higher bid.

If shuffling does not produce a complete block, the N-PBS Scheduler enters Denial Mode.

Denial Mode handles deniable bid preferences differently from each other.

Set Condition and Avoid Pairings bid preferences are removed completely, even if you have more than one option on the bid preference, such as Landings In YWG, YYZ.

Prefer Off bid preference options are removed one at a time if you have more than one option on the bid preference, such as a list of preferred days off. In this case, Denial Mode removes the date at the end of the list first, and works towards the left if it needs to delete additional days or dates.

If your administrator sets a target credit value, the N-PBS Scheduler tries to get every block above the target. However, as long as your block is above the minimum credit window, the N-PBS Scheduler does not go into Denial Mode to force your block above the target credit value.

If Denial Mode has removed all deniable bid preferences without producing a complete block, the N-PBS Scheduler tries to create a block using only the Award bid preferences. If the N-PBS Scheduler still can't create a block, it makes a final attempt using only the system-generated Award Pairings bid preference. This final attempt, called secondary line generation (SLG), ignores all

preferences and performs an exhaustive search to find you a complete block. If you don't have any deniable bid preferences, Denial Mode goes directly to the final completion attempt and attempts to find you a complete block using SLG.

13.1.B How The N-PBS Scheduler Selects a Reserve Block

Lorem

Unlike in a pairings bid group; when awarding a reserve block the N-PBS Scheduler does not perform any optimization, such as substitution, swapping or shuffling, nor does the N-PBS Scheduler enter denial mode. However, Coverage Awards may occur to ensure proper coverage. The N-PBS Scheduler tries to give people a reserve block that attempts to honor as many reserve bid preferences as possible.

When the N-PBS Scheduler starts processing a Reserve bid group it reads the first line Start Reserve and checks to see if a legal reserve line can be built, and then if possible, a legal reserve block is built.

The N-PBS Scheduler reads the first bid preference and then attempts to build a reserve schedule honoring this bid preference

the N-PBS Scheduler then reads all subsequent bid preferences, in order from top to bottom, and attempts to build a reserve block honoring as many of these preferences as possible keeping any preferences already honored.

For example, if the first bid preference is honored but the first and second together cannot be honored, the second preference is denied and the N-PBS Scheduler reads the third preference and attempts to honor preference 1 and 3; this process is continued until all bid preferences have been attempted. This type of processing awards the best possible Reserve block using the bid preferences provided by the bidder

13.1.C Credit Window Processing

The N-PBS Scheduler utilizes three separate, biddable Credit Windows for awarding full-time Crewmember blocks. The bid preferences of the Crewmember determine which Credit Window is used initially for bid processing. Each Credit Window is comprised of three Credit Values which are utilized by the N-PBS scheduler in processing the bids. These windows and values are as follows:

If a Crewmember bids Set Condition Maximum Credit, the global parameters for the bid are set to the Maximum Credit Window.

- the Maximum Credit Window
- Maximum Value
- Threshold Value
- Minimum Value

If a Crewmember does not have a preference for credit, the global parameters for the bid default to the Normal Credit Window.

- the Normal Credit Window
- Maximum Value
- Threshold Value
- Minimum Value

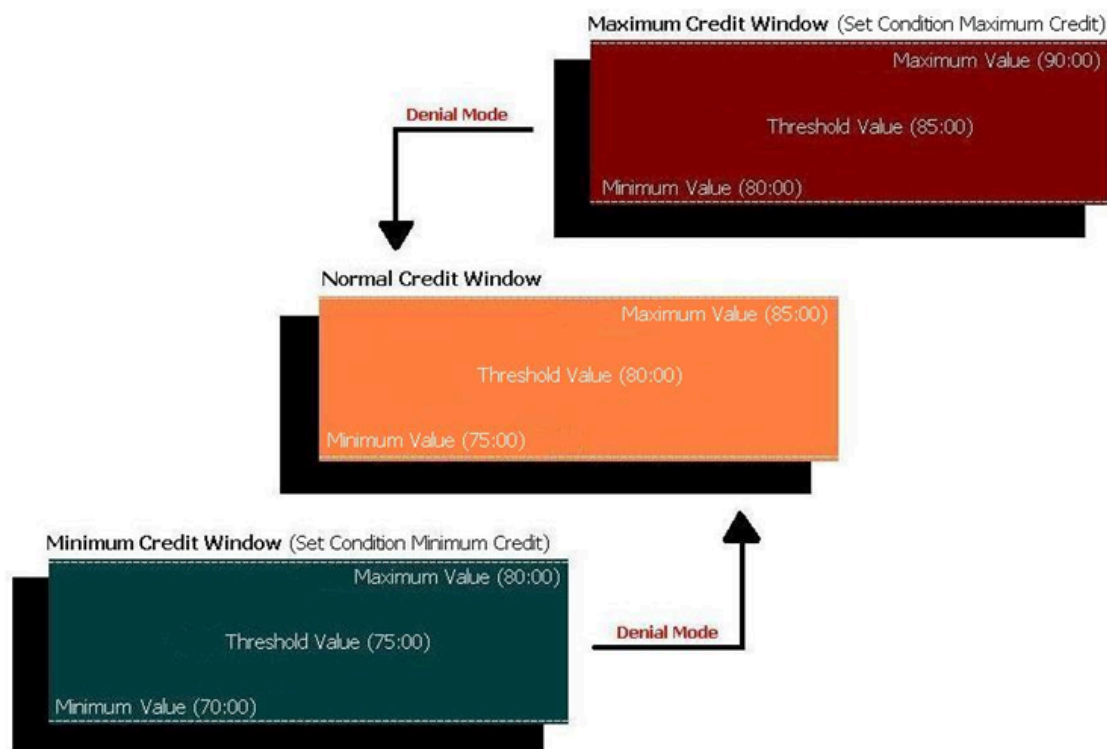
If a Crewmember bids Set Condition Minimum Credit, the global parameters for the bid are set to the Minimum Credit Window.

- the Minimum Credit Window
- Maximum Value
- Threshold Value
- Minimum Value

For any given completion attempt, the N-PBS Scheduler awards pairings normally until your total credit is above the Threshold Value for the applicable Credit Window. At this point the N-PBS Scheduler stops adding pairings and your block is complete. If Threshold Value is not achieved, but the total credit is above the Minimum Value, your block is considered complete - the N-PBS Scheduler will not utilize Shuffle or Denial Mode to force your block above the Threshold Value. However, if your block is not above the Minimum Value, the N-PBS Scheduler will utilize Shuffle and, if necessary, Denial Mode in order to complete your block.



This description of the processing logic for Credit Windows is based on the most commonly used settings which are controlled by Administrators. There are many possible scenarios for the administration of the Credit Windows – check the monthly published bid information for details or contact administration.





If you bid for a minimum credit block (Set Condition Minimum Credit) or a maximum credit block (Set Condition Maximum Credit), the N-PBS Scheduler WILL go into Denial Mode if necessary to honor the bid , even though the block may be within the Normal Credit Window.

If Denial Mode deletes the Set Condition Minimum/Maximum Credit bid, the next completion attempt reverts to the Normal Credit Window and all previously denied Avoid Pairings and Prefer Off bid preferences remain denied.

13.1.D Substitution

Substitution replaces a pairing(s) awarded from a higher bid preference with a pairing(s) that match the same higher bid preference in order to fit pairings from a lower bid on the block. Many pairings may match a specific bid preference, so substitution is used to try different combinations of matching pairings.

For example, if the N-PBS Scheduler is trying to fit a pairing on the block that matches bid preference 3, but the pairing conflicts with a pairing that matches bid preference 1, the N-PBS Scheduler may try to substitute the pairing matching bid preference 1 with another pairing that also matches bid preference 1 but starts on a different day and doesn't conflict with the pairing that matches bid preference 3. Substitution allows the N-PBS Scheduler to successfully fit pairings that match both bid preferences on the block.

13.1.E Vertical Swapping

Swapping finds pairings already awarded to more senior block holders that would fit on the block being built, and tries to replace the pairings of the more senior block holder with equally desirable pairings from either open time or other blocks.

Pairings can only be removed from another block if an equally desirable substitution (that matches the bid that originally awarded the pairing) can be made.



The pairings need to match the exact same bid preferences (including honoring any Prefer Off or Avoid Pairings bid preferences), but they don't need to be the same as or equivalent to each other in aspects that the preference did not stipulate.

If a pairing is swapped from a block that is over the Threshold Credit Value, the swap must keep the credit value above the Threshold Value.

If a pairing is swapped from a block that is between the Minimum and Threshold Values, the swap must keep the credit value above the Minimum Credit Value

Swapping Example

Bidder A wants 3-day pairings with late pairing check-in times and early pairing check-out times. Bidder A is awarded a 3-day pairing with a late check-in time and early check-out time, with a layover in LAS.

Bidder B wants 3-day pairings with layovers in LAS.

The N-PBS Scheduler can't find a pairing in open time to match this bid, but finds the pairing on Bidder A's block. The N-PBS Scheduler also finds a 3-day pairing in open time with a late check-in time and early check-out time.

The N-PBS Scheduler moves the pairing on Bidder A's block to Bidder B's block and the pairing from open time to Bidder A's block.

Bidder A is awarded a pairing that matches the bid preference for 3-day pairings with late pairing check-in times and early pairing check-out times. Bidder B is awarded a pairing that matches the bid preference for 3-day pairings with layovers in LAS.

13.1.F Shuffling

Shuffling is triggered when your block can't otherwise be completed using your specific bid preferences. This is a last step before [Denial Mode](#).

Shuffling looks for different combinations of pairings that satisfy Award Pairings preferences located below the last negative bid preference (Prefer Off or Avoid Pairings preference). The goal is to complete the block without having to deny any (or additional) bid preferences. The result is that crew members are awarded pairings that match their Award Pairings preferences, but not pairings that necessarily match their highest Award Pairings preferences. The result is a complete block with the understanding that ultimately their higher priority bid preferences were honored and as a result.



Pairings awarded by Followed By bid preferences are not shuffled.

Armed with this knowledge, you may want to consider the order in which your Award Pairings and Avoid Pairings bid preferences appear in your bid, because shuffling only looks at the pairings awarded by the Award Pairings preferences that come after the last deniable bid preference.

For example:

1. Prefer Off X
2. Award Pairings If A
3. Avoid Pairings If B
4. Award Pairings if C
5. Award Pairings if D
 - a. Award Pairings

If your line is not complete after processing the system-generated Award Pairings lines, the N-PBS Scheduler would try to exchange pairings awarded by bid preference 4 with pairings that could be awarded by bid preference 5 to avoid having to deny bid preference 3.

But if the bid was:

1. Prefer Off X
2. Avoid Pairings If A

3. Award Pairings If B
4. Award Pairings if C
5. Award Pairings if D
 - a. Award Pairings

The N-PBS Scheduler would try to exchange any pairings on the blockline, if necessary to avoid denying bid preference 2, because all of the Award Pairings bid preferences come after the last Avoid Pairings bid preference, which is line 2.

And if the bid was:

1. Prefer Off X
2. Award Pairings If A
3. Award Pairings If B
4. Award Pairings if C
5. Avoid Pairings if D
 - a. Award Pairings

The N-PBS Scheduler would still try to shuffle, but only within the Award Pairings (it is the only positive bid preference) bid preference in order to avoid denying bid preference 5. If your line was still not complete after denying bid preference 5, the N-PBS Scheduler would attempt to exchange any pairings on the line from bid preference 2, 3, and 4, in order to avoid denying bid preference 1.

Once a bid preference is denied, the N-PBS Scheduler can shuffle Award Pairings bid preference above the denied preference, but not above the remaining negative bid preference(s).

If the bid was:

1. Prefer Off X
2. Award Pairings If A
3. Avoid Pairings If B
4. Award Pairings If C
5. Award Pairings If D
6. ~~Avoid Pairings If E~~
7. Award Pairings If F
 - a. Award Pairings

Bid preference 6 has been denied in the previous completion attempt; in the subsequent completion attempt the N-PBS Scheduler could shuffle, if necessary, using lines 4,5,and 7.



Pairings awarded by Followed By bid preferences are not shuffled.

13.1.G Denial Mode

If shuffling does not produce a complete block, the N-PBS Scheduler enters Denial Mode.

When denial mode is needed, the N-PBS reads the 1st bid preference in the bid group and tries to build a line that honors this preference, along with any Award Preferences entered. It then reads the 2nd bid preference (in the bid group) and tries to build a line that honors this preference in addition to any preferences Set Condition, Prefer Off and Avoid Pairings already honored - i.e. if the first preference was honored, the system will now try to honor the first and second preferences together, but if the first preference was denied, the system will now try to honor the second preference on its own with any Award Preferences entered.

The N-PBS Scheduler goes through your entire bid this way. By continuing to add bids from the top down in this way, the N-PBS Scheduler will find the best possible line given the bids in this bid group.

Denial Mode handles certain deniable bid preferences differently:

- Set Condition and Avoid Pairings bid preferences are not used at all, even if you have more than one option on the bid preference, such as Landings in SEA, SFO.
- Prefer Off bid preference options are removed one at a time if you have more than one option on the bid preference, such as a list of preferred days off. In this case, Denial Mode removes the date at the end of the list first, and works towards the left if it needs to delete additional days or dates.

The N-PBS Scheduler tries to award pairings to reach the Threshold Value for a given Credit Window. However, as long as your block is above the Minimum Value, the N-PBS Scheduler does not go into Denial Mode to force your block above the Threshold Value.



The N-PBS Scheduler will abandon the current bid group and move to the next bid group if a bid preference with an Else Start Next Bid Group or Clear Schedule and Start Next Bid Group cannot be honored.

Bid Groups are independent of each other. Bid Preferences are only relevant for the bid group they are contained in. The N-PBS Scheduler clears anything (Pairings or Reserve Days) and begins processing the next bid group.

Administrators set the Minimum, Threshold and Maximum Values for Minimum, Normal and Maximum Credit Windows.



If you request a Minimum credit block (Set Condition Minimum Credit) or a Maximum credit block (Set Condition Maximum Credit), the N-PBS Scheduler WILL go into Denial Mode if the block is not above the Minimum Value, even though the block may be within the Normal Credit Window.

If Denial Mode deletes the Set Condition Minimum/Maximum Credit bid, the next completion attempt reverts to the Normal Credit Window.

13.1.H Secondary Line Generation (SLG)

If Denial Mode has removed all deniable bid preferences without producing a complete block, the N-PBS Scheduler tries to create a block using only the Award bid preferences. If the N-PBS

Scheduler still can't create a block, it makes a final attempt using only the system-generated Award Pairings bid preference. This final attempt, called Secondary Line Generation (SLG), ignores all preferences and performs an exhaustive search to find you a complete block. If you don't have any deniable bid preferences, Denial Mode goes directly to the final completion attempt and attempts to find you a complete block using SLG.

13.1.1 Coverage Awards



This section also describes language coverage awards which is not in all configurations.

Stacks are the number of pairings operating within a critical period that remain unassigned. Stacks may result from spikes in the flight schedule during a given period or an abnormally high number of requests for the same day off, such as Thanksgiving or Christmas Day.

- pairing stacks happen when too many pairings are unassigned
- language stacks happen when too many pairings requiring the same language are unassigned

Coverage Awards ensure work coverage, and takes precedence over any bid preferences. The N-PBS Scheduler makes multiple passes through the schedule, to ensure that all rules are met and all pairing stacks fall within the limits set by Crew Planning. Coverage awards occur on each pass, but the N-PBS Scheduler adjusts its settings for each pass as it brings the stacks within acceptable limits.

Critical Period - a critical period is a specific time period determined by how pairings and rules interact. For example, a critical period may occur from 23:30 Dec 24th to 01:30 Dec 26th

Pairing Stack - pairing stacks represent a set of mutually exclusive pairings (only one of these pairings can be held by a Crew member at a time); coverage awards is triggered when pairings must be forced on Crew members to avoid too many pairings remaining in open time during a critical period (based on the maximum stack height setting)

Language Credit Stack - language credit stacks represent all of the pairings that require a given language; language credit stacks happen when more language-required credit remains in open time than can be covered by the remaining language-qualified people language credit stacks are based on the overall language-required credit for the bid period, and are not associated with a specific critical period

Language Pairing Stack - language pairing stacks represent a set of mutually exclusive pairings with a shared language requirement; language stacks happen when more pairings requiring the same language remain in open time during a critical period that can be covered by reserve (based on the maximum stack height setting)

A pairing stack is "triggered" for coverage awards during a pass when the N-PBS Scheduler calculates that it must attempt to force the stack on every remaining Crew member to avoid having the final number of unassigned pairings operating in a critical period exceed the maximum value set by Crew Planning (usually the maximum number of pairings that can be covered by reserve). Once a stack is triggered, the N-PBS Scheduler needs to eliminate it through coverage awards.

To eliminate or reduce stacks, the N-PBS Scheduler needs to award the pairings in the stacks by assigning them to junior Crew members, despite those specific preferences that conflict with the pairings that need to be awarded. The N-PBS Scheduler determines where it needs to start

awarding pairings from the stack, and any Crew members that fall below this point receive a Coverage Award pairing (subject to legalities and pre-awards). Coverage Award pairings are assigned to a block first, before the N-PBS Scheduler starts to build the rest of a Crew member’s block using their bid. This pairing is marked as an unmovable event, like a pre-award, training or vacation.



The N-PBS Scheduler tries to find a pairing in the stack that either meets the Crew member’s preferences or conflicts with the least number of Avoid Pairings and Prefer Off bid preferences (in order of priority) and also satisfies the Crew member’s award preferences. Basically, if the N-PBS Scheduler can’t meet all the bid preferences, it tries to award each Crew member the pairing that matches as many bid preferences as possible.

Because pairings vary in length, and interact with non-overlapping pairings due to legality rules, solving a stack for one particular critical period may result in the emergence of a stack during another critical period. Because of these interactions, on rare occasions it may appear as if the system has violated seniority by, for example, a junior Crew member holding a day off specifically requested by a more senior Crew member. When, in fact, there was no way to combine the flight duties such that the work was covered and rules regarding rest and max duty were respected.

If a pairing awarded as Coverage violates a Prefer Off or Avoid Pairings bid that has an Else Start Next attached to it, the N-PBS Scheduler attempts the Else Start Next before awarding pairings from the stack, unless the pairing was awarded for language credit coverage.



If multiple pairing stacks have been triggered, the N-PBS Scheduler assigns a pairing from each triggered stack, starting with the stack closest to the beginning of the bid period and continuing to the end of the bid period, unless a priority stack date has been triggered.

A priority stack date is a critical period that takes precedence over all other pairings that need to be awarded first. The priority stack date helps to ensure that seniority for a specific date isn’t violated by Coverage Awards.

Language Coverage Awards

The N-PBS Scheduler tracks the number of language-qualified crew members for each language, and language credit. Coverage Awards occur if the amount of credit remaining is greater or equal to the amount of credit that the remaining available people who speak that language can legally take.

Language Coverage Awards force pairings that cover a critical period for particular languages on junior crew members to ensure that an excessive number of open-time positions requiring that language does not occur in the critical period.

If overall demand for pairings requiring a given language is insufficient, language Coverage Awards also force as much language-required credit as possible on junior crew members, while still honoring their bids (as much as possible) within the pool of language-required pairings.

It is possible to have both Language Coverage Awards and Operational Coverage Awards within the same bid.

Coverage Awards Example

December 25th is a typical example of a critical period in which a pairing stack occurs. Many crew members request the day off which causes too many pairings on December 25 to remain in open time.

To ensure coverage for this critical period, the N-PBS Scheduler uses the parameters set by administrators, and determines how many bid preferences for December 25 can be met. Anyone lower in the seniority list is assigned a pairing from the stack first, and then the rest of their block is built using their bid preferences.

13.1.J Language Legality During the FA Run



This section describes language allocation during FA and Purser runs and is not applicable in all configurations.

During the FA run, no languages are actually assigned until the end of the run. However, no position is awarded unless it is "language-legal": a person can only be awarded this pairing if it is still possible to meet all language requirements using the current holders of the pairing and any future holders of the pairing.



The N-PBS Scheduler assumes that future holders of the pairing can speak all languages, but they are still only allowed to hold one route language.

At the very end of the FA run, a "maximal assignment" of languages is given to the people who hold each pairing (i.e. an assignment that meets as many BL requirements as possible and as many route-language requirements as possible). Languages are assigned to the most senior people first. So the most senior person always gets a BL assignment if they're qualified, and they always get a route-language assigned if they are qualified for any of the route-languages.

Example

Pairing V5001 has one IC position and five FA positions, and requires 3 BL and 2 GE speakers.

- The IC assigned is unilingual.
- The first FA assigned is BL.
- The second FA assigned is BL.
- The third FA assigned is BL.

In this situation, the fourth and fifth FAs assigned would have to have GE, and the N-PBS Scheduler would not assign an FA to this pairing who did not have GE.

If not enough FAs wanted this pairing, and the language stack for GE was too high during this period, the N-PBS Scheduler would force the pairing on two GE-qualified junior FAs.

13.1.K Completion Attempts

Completion attempts represent a single pass through crew member's bid group. If a crew member is awarded a block without the N-PBS Scheduler having to enter [Denial Mode](#), it has performed one completion attempt. However, once the N-PBS Scheduler enters Denial Mode, a new completion attempt is started each time a bid preference is denied.

Every subsequent completion attempt clears all pairings from the Crew member's block which were awarded in the previous attempt and starts processing the bid again. Completion attempts are never seen by Administrators or Crew members, but are important in understanding how the N-PBS Scheduler manages Denial Mode.

13.1.L Absences

Absences can have two effects on how blocks are built. If the absences have credit, they may mean that fewer pairings are needed to construct the block. Absences that don't have credit can make a complete block more difficult to construct because a complete block must be created using a smaller pool of pairings and days available.

Example

A Crew member with a single week of vacation will need fewer pairings to construct a complete block. However, a Crew member with 21 days of vacation may be more likely to be unblockable if there are no pairings left in the pool during the remaining days of the bid period in which he/she is available.

13.1.M If No Block or Reserve Block Can Be Built

If the N-PBS Scheduler cannot award a block or reserve block to a Crew member, they still show up in the final crew roster but only their pre-awards appear on their schedule. No pairings or reserve appear in their block, and the N-PBS Scheduler does not flag these Crew members in any special way.

Sample Logic

Chapter 14

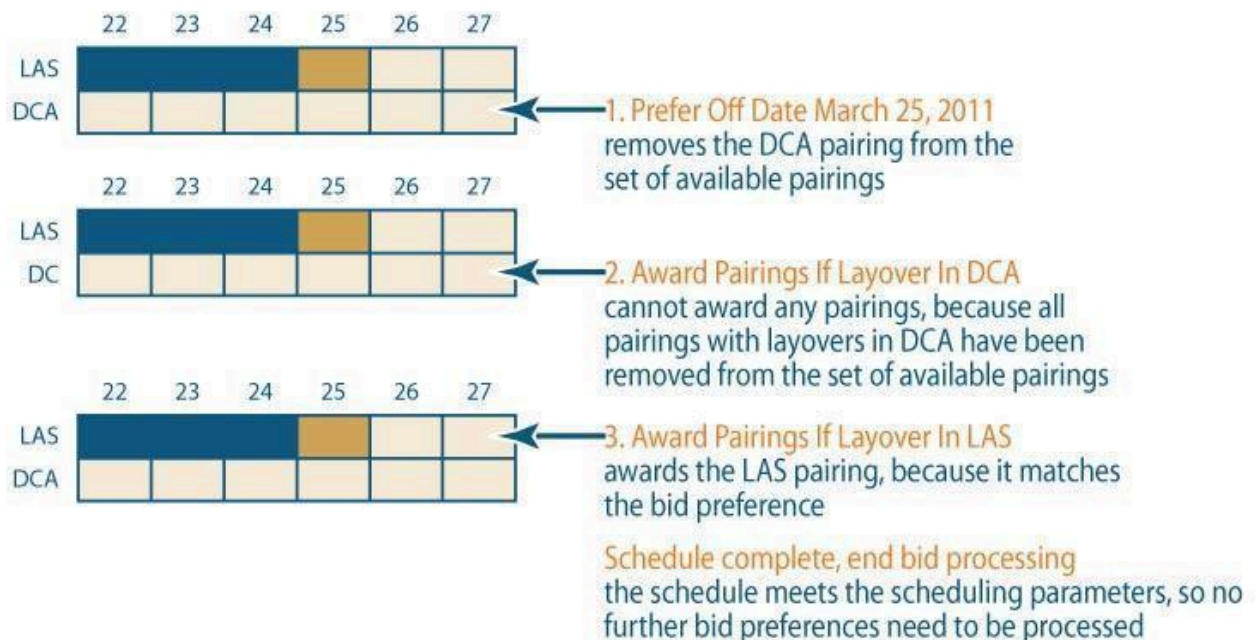
14.1 Sample Logic

14.1.A Example 1

This example shows you a straightforward award.

1. Start Pairings
2. Prefer Off Date March 25, 2011
3. Award Pairings If Layover In DCA

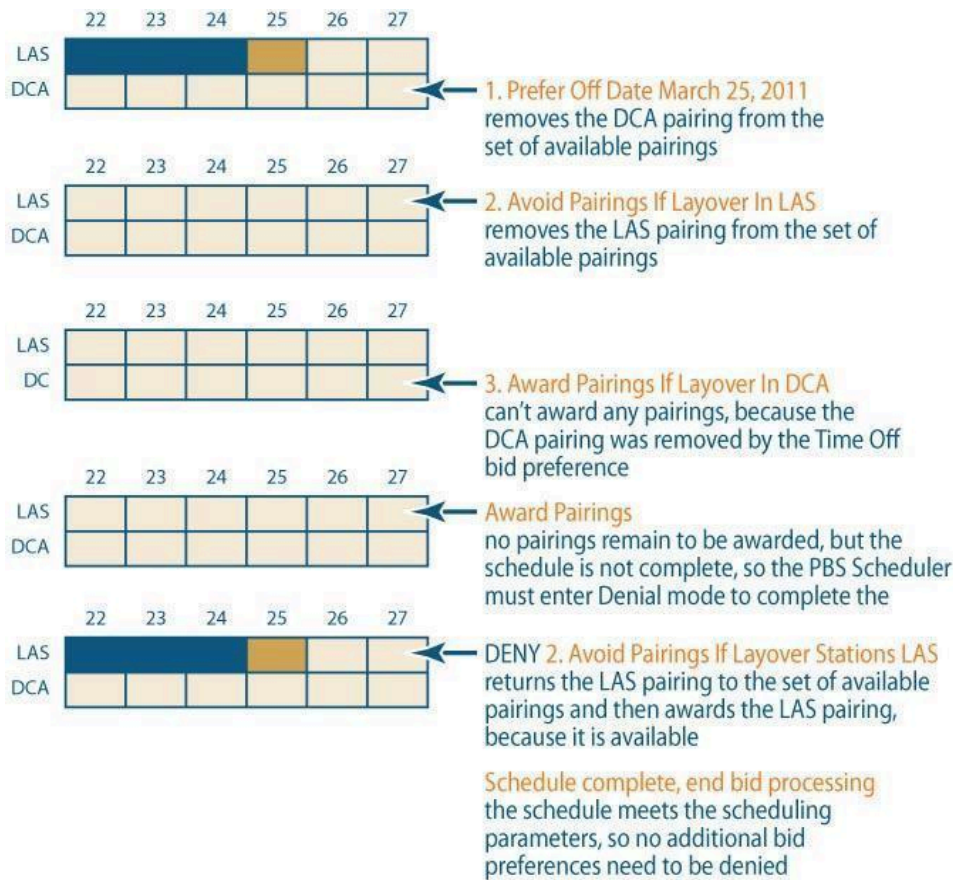
4. Award Pairings If Layover In LAS
a. Award Pairings



14.1.B Example 2

In this example, you can see how the N-PBS Scheduler returns pairings to the set of available pairings.

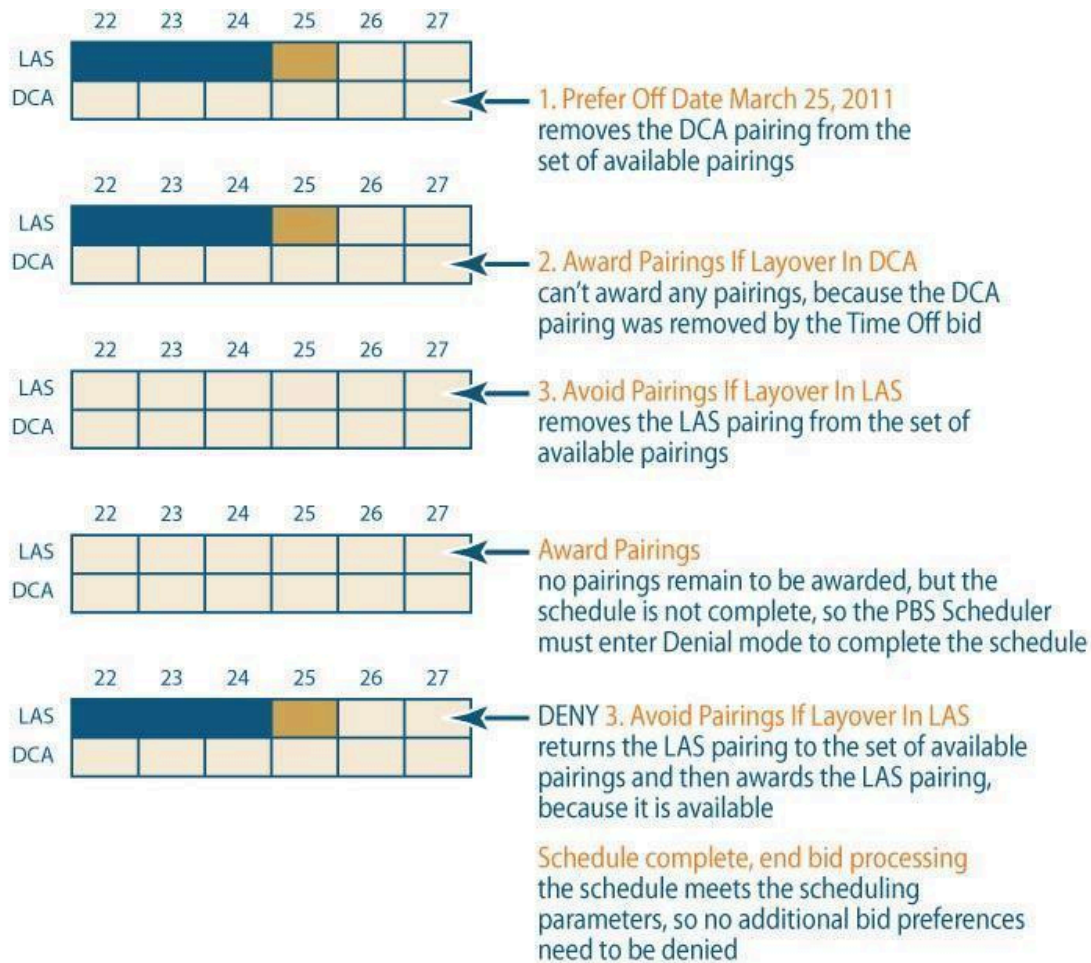
1. Start Pairings
2. Prefer Off Date March 25, 2011
3. Avoid Pairings If Layover In LAS
4. Award Pairings If Layover In DCA
 - a. Award Pairing



14.1.C Example 3

This example reverses the second and third bid preferences from Example 2, but results in the same pairing being assigned.

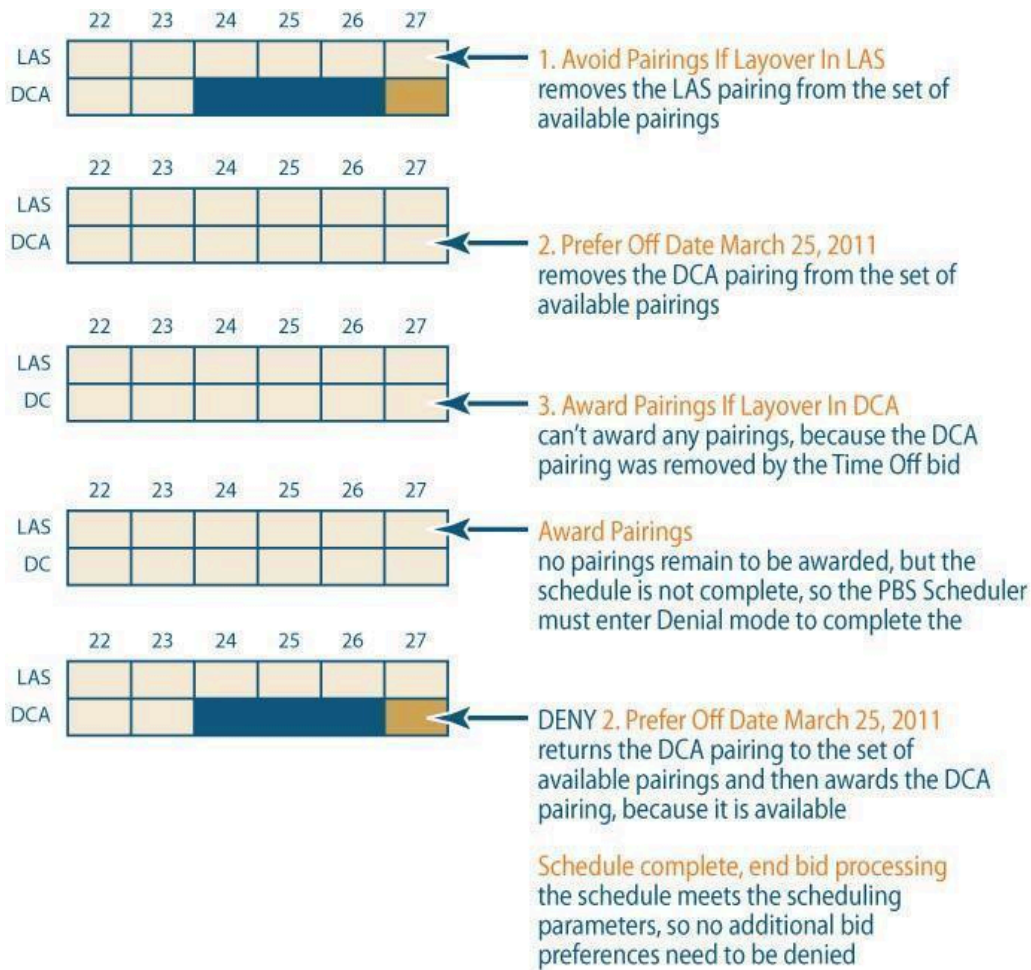
1. Start Pairings
2. Prefer Off Date March 25, 2011
3. Award Pairings If Layover In DCA
4. Avoid Pairings If Layover In LAS
 - a. Award Pairings



14.1.D Example 4

This example makes avoiding layovers in LAS the highest priority.

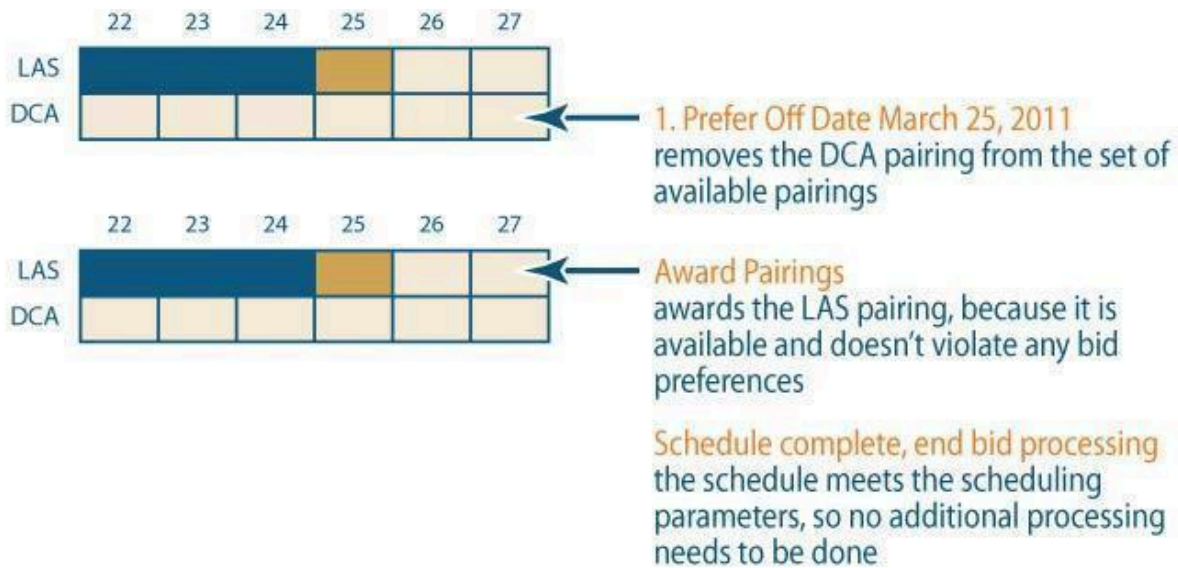
1. Start Pairings
2. Avoid Pairings If Layover In LAS
3. Prefer Off Date March 25, 2011
4. Award Pairings If Layover In DCA
 - a. Award Pairings



14.1.E Example 5

This example includes only one Prefer Off bid preference.

1. Start Pairings
2. Prefer Off Date March 25, 2011
 - a. Award Pairings



14.1 Sample Bids

14.1.A Scenario 1

Jack is a commuter from SLC based in Long Beach. Jack can't typically get to LGB when he commutes until 10am and has to leave by the 6pm flight out to avoid another night in a crash pad. Jack really doesn't care when he works or where he goes although he typically likes one pairing to LAS per month. His anniversary is this month and he would like to be off from the 14th to the 17th, in that order of priority. One thing that Jack likes to do is sleep at home whenever he can!

Concurrent Reserve

1. Start Pairings
2. Prefer Off Dec 14, 2011 - Dec 17, 2011
3. Award Pairings If Layover In LAS If Pairing Check-In Time After > 09:59 If Pairing Check-Out Time Before < 18:01 Limit 1
4. Avoid Pairings If Pairing Check-In Time Before < 10:00
5. Avoid Pairings If Pairing Check-Out Time After > 18:00
6. Award Pairings If Layover In SLC
 - a. Start Pairings
 - i. Award Pairings
 - b. Start Reserve

Consecutive Reserve

1. Start Pairings
2. Prefer Off Dec 14, 2011 - Dec 17, 2011
3. Award Pairings If Layover In LAS If Pairing Check-In Time After > 09:59 If Pairing Check-Out Time Before < 18:01 Limit 1

4. Avoid Pairings If Pairing Check-In Time Before < 10:00
5. Avoid Pairings If Pairing Check-Out Time After > 18:00
6. Award Pairings If Layover In SLC
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Start Reserve Bid
 - d. Start Reserve

Standard Reserve

1. Start Pairings
2. Prefer Off Dec 14, 2011 - Dec 17, 2011
3. Award Pairings If Layover In LAS If Pairing Check-In Time After > 09:59 If Pairing Check-Out Time Before < 18:01 Limit 1
4. Avoid Pairings If Pairing Check-In Time Before < 10:00
5. Avoid Pairings If Pairing Check-Out Time After > 18:00
6. Award Pairings If Layover In SLC
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - ii. Award Reserve Line

14.1.B Scenario 2

Jen likes to have the N-PBS system work for her. She lives in base and doesn't really care when she shows and checks out. Jen likes layovers in Mexico, preferably ones with at least 18 hours of layover time. She would rather do CUN, but doesn't mind AUA or SXM if she can't get CUN. She can always hold the Mexico pairings that depart on Mondays, her preference. There was, however, one pairing that caught her eye. Pairing J2148 really looked appealing and she wants to get this before anything else, but only one since it looks like a tough one. If she has to fill her block up to complete it, she would prefer one or two-day pairings.

Concurrent Reserve

1. Start Pairings
2. Award Pairings If Pairing J2148 Limit 1
3. Award Pairings If Departing on Monday If Layover In CUN And If Layover Of Duration > 018:00
4. Award Pairings If Departing on Monday If Layover In AUA, SXM And If Layover Of Duration > 018:00
5. Award Pairings If Pairing Length Between 1 days And 2 days
 - a. Start Pairings
 - i. Award Pairings
 - b. Start Reserve

Consecutive Reserve

1. Start Pairings

2. Award Pairings If Pairing J2148 Limit 1
3. Award Pairings If Departing on Monday If Layover In CUN And If Layover Of Duration > 018:00
4. Award Pairings If Departing on Monday If Layover In AUA, SXM And If Layover Of Duration > 018:00
5. Award Pairings If Pairing Length Between 1 days And 2 days
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Start Reserve Bid
 - d. Start Reserve

Standard Reserve

1. Start Pairings
2. Award Pairings If Pairing J2148 Limit 1
3. Award Pairings If Departing on Monday If Layover In CUN And If Layover Of Duration > 018:00
4. Award Pairings If Departing on Monday If Layover In AUA, SXM And If Layover Of Duration > 018:00
5. Award Pairings If Pairing Length Between 1 days And 2 days
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Award Reserve Line

14.1.C Scenario 3

Christmas is always a huge family celebration at Sue's place and she has to have the 24th and the 25th off. She doesn't care if she has to be on reserve, she just needs the time off and she knows with her seniority she can get these days off on reserve. Of course, if she can have it off and fly then she just wants to work productive pairings (more than six hours per day of average daily credit). She really prefers turns (i.e. one day pairings) especially those that check out before 6pm so she can see the kids before they go to bed.

Concurrent Reserve

1. Start Pairings
2. Prefer Off Date Dec 24, 2011 - Dec 25, 2011 Else Start Next Bid Group
3. Avoid Pairings If Average Daily Credit < 006:00
4. Award Pairings If Pairing Check-Out Time Before < 18:00 If Pairing Length = 1 days
5. Award Pairings If Pairing Length = 1 days
6. Award Pairings
7. Start Reserve
8. Prefer Off Date Dec 24, 2011 - Dec 25, 2011
 - a. Start Pairings
 - i. Award Pairings
 - b. Start Reserve

Consecutive Reserve

1. Start Pairings
2. Prefer Off Date Dec 24, 2011 - Dec 25, 2011 Else Start Next Bid Group
3. Avoid Pairings If Average Daily Credit < 006:00
4. Award Pairings If Pairing Check-Out Time Before < 18:00 If Pairing Length = 1 days
5. Award Pairings If Pairing Length = 1 days
6. Start Reserve Bid
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Start Reserve Bid
7. Start Reserve
8. Prefer Off Date Dec 24, 2011 - Dec 25, 2011
 - a. Start Reserve

Consecutive Reserve

1. Start Pairings
2. Prefer Off Date Dec 24, 2011 - Dec 25, 2011 Else Start Next Bid Group
3. Avoid Pairings If Average Daily Credit < 006:00
4. Award Pairings If Pairing Check-Out Time Before < 18:00 If Pairing Length = 1 days
5. Award Pairings If Pairing Length = 1 days
 - a. Award Pairings
6. Award Reserve Line
 - a. Start Pairings
 - i. Award Pairings
 - b. Award Reserve Line

14.1.D Scenario 4

Bill prefers not to fly with Bob (employee number 012345). For flying, Bill likes to layover in JFK since his son is there with the grandkids. He especially likes those layovers that are two-day pairings. The three-day SFO and three days pairings in general are OK too. He would prefer to not work with Bob, but he would rather have any of these pairings before working any others - even if he has to work with Bob.

Concurrent Reserve

1. Start Pairings
2. Avoid Pairings If Employee 012345
3. Award Pairings If Layover In JFK If Pairing Length = 2 days
4. Award Pairings If Layover In JFK
5. Award Pairings If Layover In SFO If Pairing Length = 3 days
6. Award Pairings If Pairing Length = 3 days
7. Forget 2
8. Redo From 3
 - a. Start Pairings
 - i. Award Pairings

b. Start Reserve

Consecutive Reserve

1. Start Pairings
2. Avoid Pairings If Employee 012345
3. Award Pairings If Layover In JFK If Pairing Length = 2 days
4. Award Pairings If Layover In JFK
5. Award Pairings If Layover In SFO If Pairing Length = 3 days
6. Award Pairings If Pairing Length = 3 days
7. Forget 2
8. Redo From 3
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Start Reserve Bid
 - d. Start Reserve

Standard Reserve

1. Start Pairings
2. Avoid Pairings If Employee 012345
3. Award Pairings If Layover In JFK If Pairing Length = 2 days
4. Award Pairings If Layover In JFK
5. Award Pairings If Layover In SFO If Pairing Length = 3 days
6. Award Pairings If Pairing Length = 3 days
7. Forget 2
8. Redo From 3
 - a. Award Pairings
 - b. Start Pairings
 - i. Award Pairings
 - c. Award Reserve Line

Glossary

Chapter 15

15.1 Glossary

<

<: before a time of day, or less than a specific value

=

=: at or equal to a specific value

>

>: after a time of day, or greater than a specific value

15.1.A A

Word	Definition
Absences	scheduled events preventing a bidder from being available for flying duties at a particular time; absences include vacation, maternity leave, training, etc
Absences with Credit	absences that require a virtual credit for block credit and pay purposes; the virtual credit counts towards the block credit. Ex: PTV, MIC
Absences without Credit	absences where you are not available for duty but receive no credit to the block credit. Ex: LOA, MIL
Avoid Pairing Bid Preference	a bid preference that describes unwanted pairings or pairing criteria and excludes pairings from consideration see also Award Pairing, Instruction, Set Condition, Time Off bid preferences
Award Pairing Bid Preference	a bid preference that describes preferred pairings or pairing criteria and includes pairings for consideration see also Award Pairing, Instruction, Set Condition, Prefer Off bid preferences
Award Pairings Bid Preference (system generated)	a bid preference added automatically to the end of every bid; if a legal block cannot be created after the system-generated Award Pairings bid preference has been processed, Award Line Reserve instructs the N-PBS Scheduler to try to award the bidder a reserve block

15.1.B B

Word	Definition
Base	the location a crew member is assigned to see also Co-terminal Base

Bid	a list of bid preferences that you submit, describing desired work patterns, types of duties, and days or times of day off
Bid Group	a list of bid preferences that are grouped and processed together; bid groups are independent of each other and always begin with Start Pairings or Start Reserve
Bid Month	see Bid Period
Bid Period	the calendar month or duration of days that the block is being built for i.e. January 31st to March 1st; bid periods may be called bid months The bid period may or may not coincide with a particular calendar month.
Bid Preference	a single, numbered line of a bid representing a single request see also Award Pairing, Instruction, Set Condition, Time Off bid preferences
Block	the pairings or reserve days and all other activities that you are assigned to work in the bid period; blocks may be called lines, lines of time, rosters, schedules or awards
Block Credit	the value of all the duties on your schedule for a given bid period; may be called total credit or credit value
Block Time	the time beginning when an aircraft first moves for the purpose of flight or repositioning and ending when the aircraft comes to a stop at the next destination or at the point of departure
Block Window	See Credit Window

15.1.C

C

Word	Definition
Calendar Day	a 24-hour period, generally from midnight to midnight (a pairing with a 2345 block-in and 15-minute release does not infringe on the following day)
Category	the combination of a crew member's position and base
Charter	flights that take place outside normal schedules
Check In Time	the time that a pairing starts and the crew member must report for duty
Check Out Time	the time that a pairing ends and the crew member is no longer on duty
Co Terminal	a single base that operates out of multiple airports (i.e. JFK/LGA,)
Comma(,)	used as a separator between multiple list items in a bid preference, such as dates, stations,

	pairing numbers, etc Commas in Award Pairings, Avoid Pairings and Prefer Off bid preferences are interpreted as “and/or”. If your bid preference is Award Pairings If Landings In LAS,DCA, the N-PBS Bidder may award pairings that land in LAS, and pairings that land in DCA, and pairings that land in both LAS and DCA. Both destinations have the same importance, so the N-PBS Bidder may trade a LAS for a DCA during the awarding process.
Completion Attempt	a pass through a crew member's bid, awarding pairings according to their preferences to give them a complete block Each time the bid is changed, usually when a bid preference is removed by Denial Mode, a new completion attempt begins
Coverage Awards	the process of ensuring that flight duty periods are adequately covered by assigning pairings to crew members, potentially creating a situation in which bids are denied Because pairings vary in length, and interact with non-overlapping pairings due to legality rules, solving a stack for one critical period may result in a stack being created during another critical period. As a result, it may appear that seniority has been violated by, for example, a junior crew member holding a day off specifically requested by a more senior crew member when, in fact, there was no way to combine the flight duties so that the work was covered and rules regarding rest and max duty were respected
Credit	a value associated with an activity, usually measured in hours and minutes
Credit Window	the range of credit values that the N-PBS Scheduler uses to build blocks that satisfy work coverage and FSM requirements. There are three Credit Windows: Minimum, Normal and Maximum
Critical Period	a specific time period determined by how pairings and rules interact For example, a critical period may occur from 23:30 December 24th to 01:30 December 26th
Current Bid	the bid you submit for the current bid period; the N-PBS Scheduler uses the information in this bid to build the crewmember's block for the bid period

Word	Definition
Day	a calendar day beginning at 00:00 and ending at 23:59
Default Bid	a generic bid used to construct your block for the current month if you have not submitted a regular bid; default bids may be called standing bids or standby bids
Deniable Bid Preference	a bid preference which may be removed through Denial Mode. Set Condition, Prefer Off or Avoid Pairingsbid preference
Duty Period	the elapsed time from report to release; duty period may also be called duty duration

15.1.F F

Word	Definition
Federal Aviation Regulations (FAR)	rules of duty time and rest that must be applied when creating schedules

15.1.I I

Word	Definition
Instruction Bid Preference	a bid preference that provides special instructions to manage the way the N-PBS Scheduler processes your bid; instruction bid preferences (Forget and Redo From) are most often used to remove restrictions if the N-PBS Scheduler could not award you a complete block honoring all of your bid preferences see also Award Pairing, Instruction, Set Condition, Time Off bid preferences

15.1.L L

Word	Definition
Landing	a point at which the plane you are flying on touches down at a station
Layover	a rest activity in a pairing, with time spent at a hotel at a station away from base
Leg	a flight that takes off from a station and lands at another station
Legal Crew Rest	a rest period (measured from release to report) that is sufficient to break a crew member's duty period
Line	see Block

15.1.M

M

Word	Definition
Maximum Credit Window	the maximum range of credit hours that you may be awarded for a bid period during line construction – associated with Set Condition Maximum Credit.
Maximum Value	the maximum number of credit hours set by Crew Planning for a given Credit Window. The N-PBS Scheduler will not build your block exceeding this credit value.
Minimum Credit Window	the minimum range of credit hours that you must be awarded for a bid period during line construction – associated with Set Condition Minimum Credit.
Minimum Value	the minimum number of credit hours set by Crew Planning for a given Credit Window. The N-PBS Scheduler will go into Denial Mode in order to achieve this credit value.

15.1.N

N

Word	Definition
Negative Bid Preference	a bid preference that identifies what you seek to avoid in a pairing; can be removed by Denial Mode. Ex: Avoid Pairings, Prefer Off
Normal Credit Window	the normal range of credit hours that you may be awarded for a bid period during line construction – this is the default credit window in the absence of a Set Condition Minimum/Maximum Credit bid

15.1.O

O

Word	Definition
Off Duty Time	the time that a pairing ends and the crew member is no longer on duty
On Duty Time	the time that a pairing starts and the crew member must report for duty
Open Time	pairings within the bid period that remain unassigned after a scheduling run
Option	a modifier added to a command to make a bid preference more precise see also Bid Preference
Overlap	pairings that start in one bid period and end in the following bid period that may affect maximum duty or flight times for specific

dates/times; overlap may be called carry-in, carry-out, spillover, and transition

15.1.P

P

Word	Definition
Pairing	a series of flights over one or more days that originates and terminates in a crew base, and contains legal rest and flight duties; pairings may be called trips or rotations
Pairing Check In Time	the time that a pairing starts and the crew member must report for duty
Pairing Check Out Time	the time that a pairing ends and the crew member is no longer on duty
Pairing Length	number of calendar days that a pairing operates on
Pairing Pool: all of the available pairings from which blocks can be constructed	
Pairing Substitution	the process of replacing pairings awarded by a previous preference with equivalent pairings that also allow subsequent bid preferences to be met. For example, if your first bid preference is for layovers in SEA, and your second bid preference is for Pairing L2154, the N-PBS Scheduler might have initially added a pairing with a SEA layover to your schedule that conflicts with Pairing L2154. Using pairing substitution, the N-PBS Scheduler would look for a different pairing with a SEA layover that would also allow you to have Pairing L2154 in your block
N-PBS Bidder	a bid entry system developed by NAVBLUE that allows you to create and submit your bids, as well as view essential information that supports the bidding process
N-PBS Scheduler	a preferential bidding and scheduling system that takes your bids and seniority into consideration when building customized blocks
Position	the actual position that you operate on a pairing
Positive Bid Preference	a bid preference that identifies your desired pairings; positive preferences are the only preferences that actually place pairings in a block. Ex: Award Pairings
Pre assigned Absences	see Absences
Prefer Off Bid Preferences	a bid preference that identifies preferences for dates or days off; if the N-PBS Scheduler needs to enter Denial Mode to award you a

	complete block, Time Off date ranges are individually denied from the least important to the most important date (i.e. right to left)For example, if you entered the date range 15 to 11, the N-PBS Scheduler begins by denying the 11th, and then the 12th, and then the 13th, and so on until a legal block is constructed. See also Award, Avoid, Instruction bid preferences
Preferential Bidding	a system that builds individualized crew block based on bids that crew members submit identifying their likes and dislikes for flying, specific pairings, characteristics, and days off
Previous Bids	the bids that the N-PBS Scheduler used to construct your block for previous bid periods; you can see both your previous regular bids, if you submitted them, as well as your previous default bids
Previous Default Bid	the generic bid used to construct your block for the previous month if you did not submit a regular bid
Previous Regular Bid	the bid you submitted for a previous bid period

15.1.R R

Word	Definition
Reasons Report	explains the results of each bid preference in your bid, and also provides a reason explaining why it was or was not honored
Report (On Duty Time)	the later of the actual or scheduled time that a crew member begins duty
Rules	the FAR and Scheduling Guidelines and letters of agreement used by the N-PBS Scheduler to evaluate the legality of each block

15.1.S S

Word	Definition
Schedule	the pairings and other activities that you are assigned to work in the bid period; schedules may be called lines, blocks, lines of time, or rosters
Secondary Line Generation (SLG)	in Denial Mode, a final completion attempt that uses only the Award Pairings bid preference; SLG ignores all preferences and performs an exhaustive search to find the crew member a complete block

Set Condition Bid Preferences	a bid preference that requests a schedule containing specific criteria which will apply to the entire block. Ex: Set Condition Maximum Credit See also Award, Avoid, Instruction, Prefer Off bid preferences
Shadow Bidder	A bidder that has partial or entire bid period dates blocked for pairing assignments. The shadow bidder is assigned pairings according to their seniority but will not work the pairings. A shadow pairing can't be honored to more than one shadow bidder.
Shuffle	the process of searching for different combinations of pairings that match the same or lower bid preferences in an effort to complete blocks by removing pairings awarded by a bid preference that may be preventing the completion of the block see also Swap, Pairing Substitution
Sit Length	time spent waiting for next leg to start (not a legal crew rest period)
SLG	see Secondary Line Generation
Stack	the number of pairings operating on the same date or dates that remain unassigned due to crew members' bids; stacks may result from spikes in the flight schedule during a given period or an abnormally high number of requests for the same day off, such as Thanksgiving or Christmas Day
Standby Bid	see Default Bid
Standing Bid	see Default Bid
Swap	the process of finding combinations of pairings that can be moved (between various blocks and unassigned pairings) to meet individual bidders' preferences; since many pairings can fulfill a single bid preference, the N-PBS Scheduler uses swapping to identify pairings on blocks that can be exchanged with pairings on other blocks or unassigned pairings to fulfill the preferences of all bidders. See also Shuffle, Substitution
Swap Chain	a list of pairings to be exchanged, along with information about their current and new positions on blocks or in the open pairings pool; swap chains can be created for pairings being shifted among blocks, or being substituted on a single block
System-Generated Bid Groups	bid groups that are automatically added to your bid; you cannot add bid preferences to these bid groups and they cannot be edited. moved or deleted

System-Generated Bid Preferences	bid preferences automatically added to end of pairings bid groups; this preference cannot be moved, edited or deleted. See Award Pairings Bid Preference
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15.1.T T

Word	Definition
Threshold Value	the target number of credit hours set by Crew Planning for a given Credit Window. The N-PBS Scheduler will attempt to build the block to Threshold in the first completion attempt, but will not enter Denial Mode to achieve this credit value

15.1.V V

Word	Definition
Vacation Credit	the amount of time awarded to your bid period that the N-PBS Scheduler must consider when constructing your schedule For example, seven days of vacation result in thirty five hours (35:00) of credit time awarded to a crew member’s schedule

15.1.W W

Word	Definition
Window (Credit)	the range of credit hours that each schedule’s total credit value must be within to satisfy work coverage settings, collective agreements, and individual credit targets
Work Period	a group of “on duty” days that are not broken by any days off; i.e. a six-day work period could consist of six one-day pairings, or two three-day pairings, or any other legal combination

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Chapter 16

2.1.A Subtitle - lorem ipsum dolor

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