



Boeing 787 SCMP Problem Summary Guide

July 2023

EXOSTAR[®]



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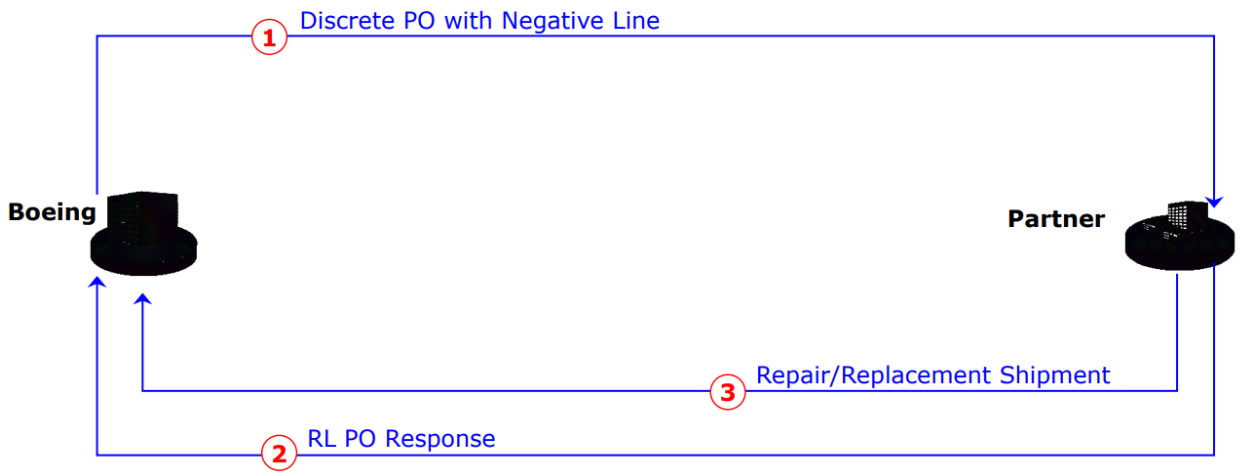
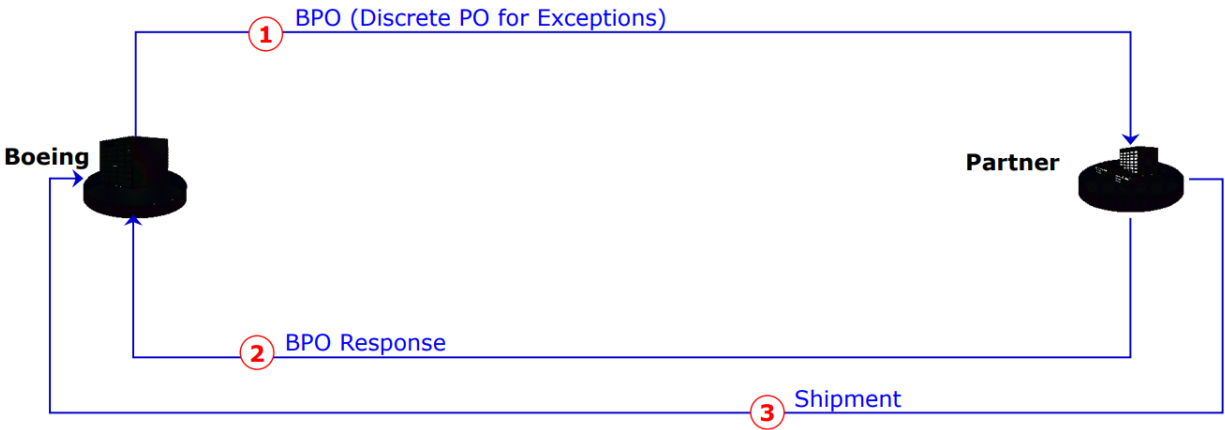
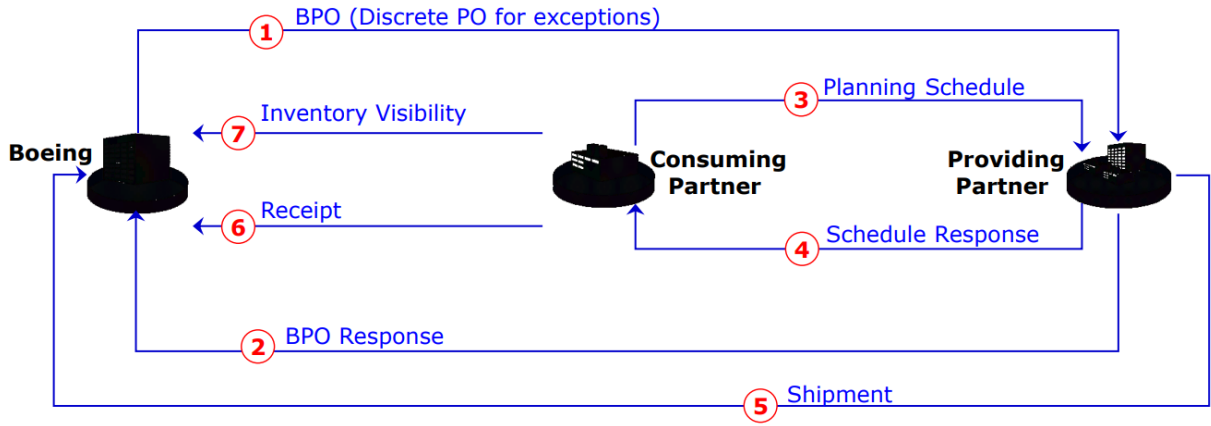
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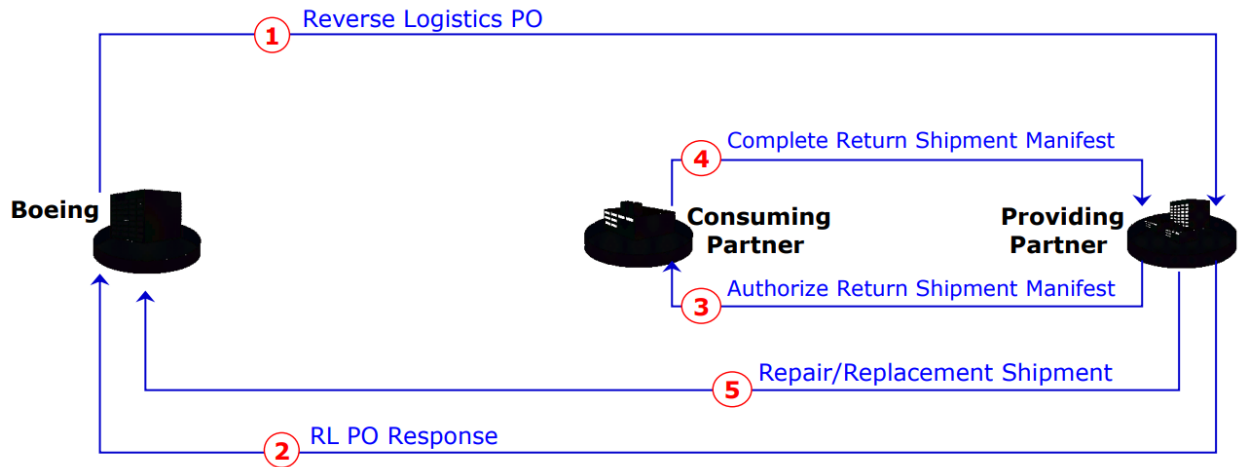


DOCUMENT VERSIONS

Version	Change Overview	Date	Responsible Party
1	Formatting Updates	08/01/22	Ashleigh Howell
2	Harmony Upgrade	07/07/23	Ashleigh Howell

SOLUTIONS OVERVIEW





IMPORTANT! Each document exchange may result in an exception.

VISIBILITY SOLUTION ELEMENTS MAPPED TO WORKFLOWS

Elements in the Visibility Solutions can be mapped to the Workflows:

VISIBILITY ELEMENT	WORKFLOW	EXCEPTION	
Purchase Order	Order Management	Purchase Order; Over Shipped Purchase Order	
Purchase Order Response			
Shipment		Shipment; Missing Receipt for Shipment	
Receipt			
Reverse Logistics PO		Purchase Order; Over Shipped Reverse Logistics PO	
Return Shipment (Manifest)			
Repair/Replacement Shipment			
Planning Schedule	Supply Planning	Forecast	New Planning Schedule
			Missing Planning Schedule
			No Plan Response
			Plan Response Mismatch
			Schedule Change
			Inventory Violation
Planning Schedule Response			
Inventory Status	Inventory	See Forecast	

PROBLEM SUMMARY OVERVIEW

This guide provides information and instructions on the Problem Summary function in the Boeing 787 SCMP application for the following functions:

- Planning Schedule
- Inventory
- Order
- Shipment

SCMP has pre-defined business rules associated with the data measures of a collaboration. If the business rules are violated, SCMP generates an exception that will alert users of a potential problem. Exceptions are indicated on the My Workspace page and on the MCV page of the collaboration.

The setting and color of the exception is from Boeing’s point of view:

- Low risk is **blue**
- Medium risk is **orange**
- High risk is **red**

PLANNING SCHEDULE EXCEPTIONS

This table reflects all user roles.

Exception Name	Trigger	Comments
Missing Planning Schedule	When a Planning Schedule is published	<ul style="list-style-type: none"> • Compares collabs without any PIT data for PLANNING SCHEDULE QTY for which there exists a REMAINING BLANKET PO QTY > 0, from today through 12 weeks (84 days) • All problems are recorded as HIGH • Warns the Consuming Partner that a new PO was issued, and they need to generate a Planning Schedule for the items
No Plan Response	When a Planning Schedule is published	<ul style="list-style-type: none"> • Evaluates collabs without any PIT data for PLANNING SCHEDULE RESPONSE QTY that satisfy ALL the following conditions: There exists PLANNING SCHEDULE QTY data measure whose LAST MODIFIED DATE is three days old or older and No PLANNING SCHEDULE RESPONSE QTY PIT data exists between (today-14 days) to (today+84 days)

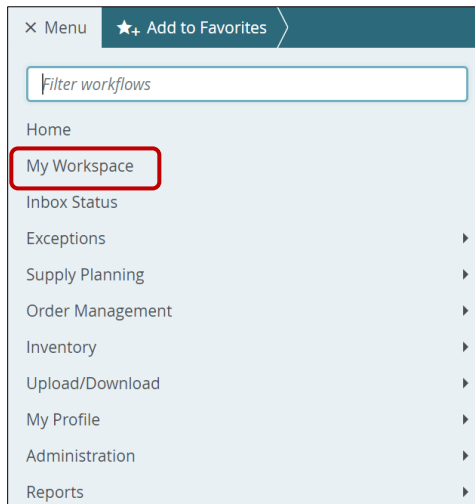
		<ul style="list-style-type: none"> • All problems are recorded as HIGH • Warns a Providing Partner that a new Planning Schedule exists, and they need to provide a response
Plan Response Mismatch	When a Planning Schedule/PS Response is published or responded to	<ul style="list-style-type: none"> • All collabs that have response data from today forward up to the 'Response Limit Date', or maximum PS/PSR date in the future are evaluated for mismatch • If not specified, the 'Response Limit Date' is based on the last 'Planning Schedule Quantity' that the Consuming Partner entered • If Response > Schedule Qty, LOW Problem • If Response < Schedule Qty, HIGH Problem • Warns Boeing and the Consuming Partner that there will be a part shortage • It is possible that even if the time buckets are showing the same numbers for Plan Schedule Qty and Plan Schedule Response Qty, if those numbers are associated with a different Manufacturing Line Number, this exception will be triggered.
No Shipments for Plan Response	When a PS response is published, or a Shipment is created	<ul style="list-style-type: none"> • Evaluates 'Estimated Arrival' date of "Sent" Shipments, matching the date to the 'Planning Schedule Response' date • Evaluated from (today-45 days) to (today+14 days) • Flagged as: <ul style="list-style-type: none"> ○ HIGH (red) if PSR is within (today-45 days) ○ Medium (orange) if PSR is within (today+7 days) ○ Low (blue) if PSR is within (today+8 days) to (today+14 days) • Beyond 14 days, no exception will be flagged
No Available Shipments for Plan Response	When a PS response is published, or a Shipment is created	<ul style="list-style-type: none"> • Evaluates "Estimated Arrival" date of "Sent" shipments, matching the date to 'Planning Schedule Response' date • Evaluated from (today to Response Limit Date or 84 days) • All problems are marked as HIGH

Schedule Change	When a Planning Schedule is published	<ul style="list-style-type: none">• Evaluates if there is any Planning Schedule Quantity (date & quantity pair) that is different from the Planning Schedule Quantity Previous data measure• On the MCV page under Details > Collab Attribute, the Last Modified Date informs a user of how current the Planning Schedule is• When a PS is published for the first time, this will still be flagged as Schedule Change, as the requirements have changed from NULL to a discrete value on a date
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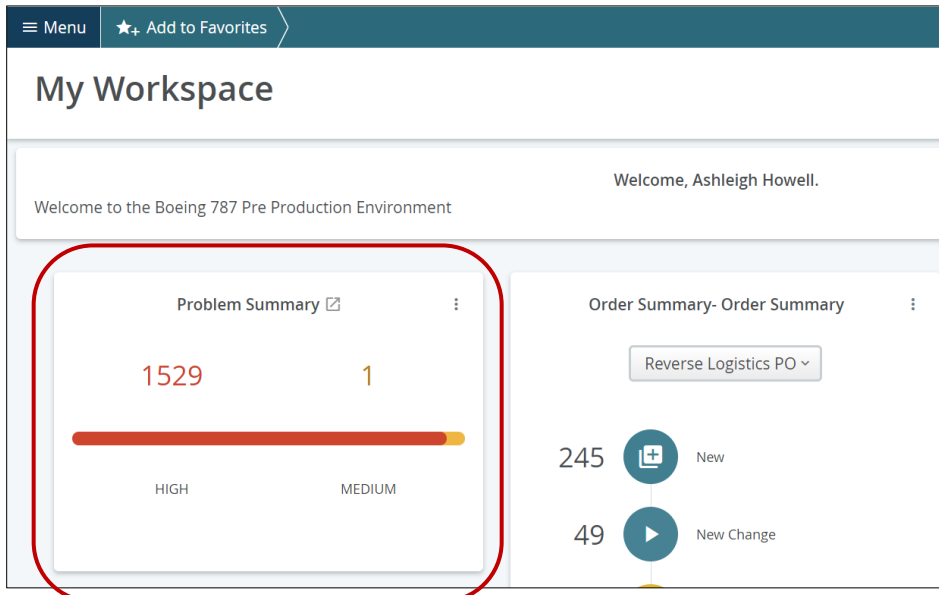
View Exceptions (My Workspace)

To view Planning Schedule Exceptions via My Workspaces:

1. Select **My Workspace** from the menu.



2. Click in the **Problem Summary** widget to view the **Problem Summary** dialogue box.



3. Click the **Total** number link to the right of the **Problem Name** category you wish to view.
NOTE: The number in **RED** are collabs with high severity problems. The number in **BLUE** is the total number of collabs with problems.

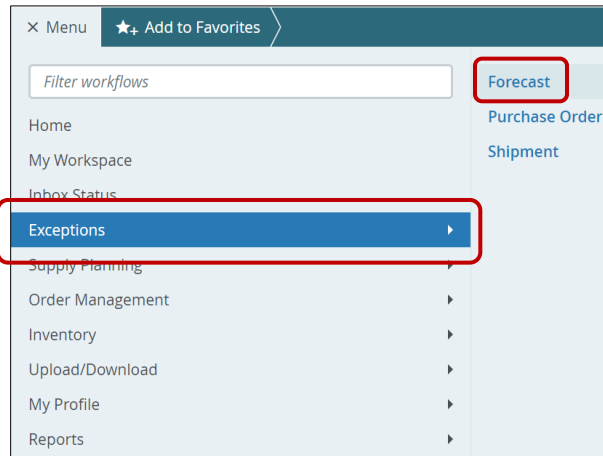
Exception Category	High Severity Collabs	Total Collabs
Exception - New Planning Schedule	102	102
Exception - Missing Planning Schedule	547	547
Exception - No Plan Response	9	9
Exception - Plan Response Mismatch	22	22

NOTE: Click the **Filter** icon to the left of each category to further filter the results.

[View Exceptions \(Summary\)](#)

To view Planning Schedule exceptions via a Summary page:

1. From the menu, select **Exceptions** → **Forecast**.



2. Scroll to the bottom of the screen to view the **Results** section. Click the hyperlinked **Total Items** number for the desired **Problem Name**.

A screenshot of the 'Results' section in the Exostar application. It displays a table with columns for 'Problem Name', 'Total Items', and 'Problem Name'. The 'Total Items' column contains hyperlinked numbers. The table lists several exceptions, including 'Exception - New Planning Schedule' with 102 total items, 'Exception - Missing Planning Schedule' with 114 total items, 'Exception - No Plan Response' with 9 total items, and 'Exception - Plan Response Mismatch' with 22 total items. On the right side, there are more exceptions listed, such as 'Exception - No Shipments for Plan Response' with 8 total items and 'Exception - Schedule Change' with 24 total items. The 'Total Items' column is highlighted with a red box.

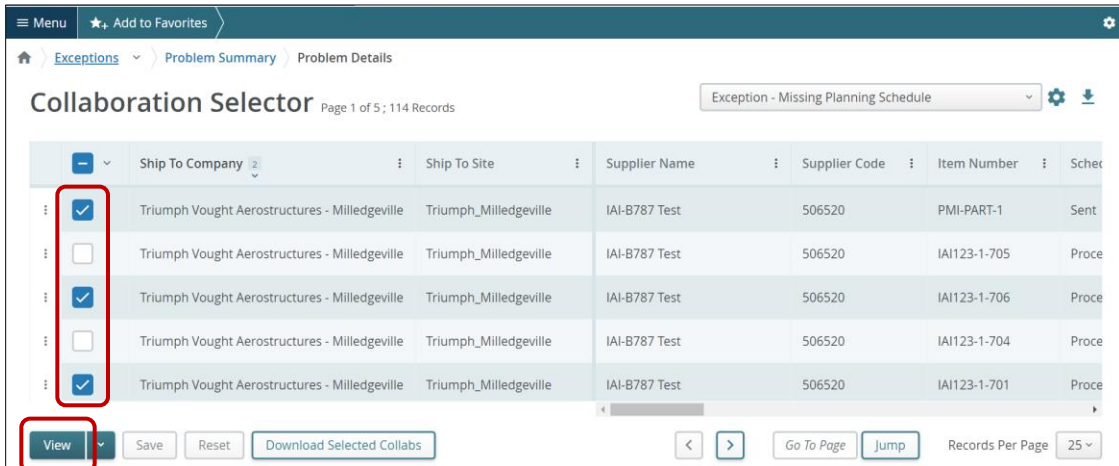
Problem Name	Total Items	Problem Name	Total Items
Exception - New Planning Schedule	102	Exception - No Shipments for Plan Response	8
Exception - Missing Planning Schedule	114	Exception - Schedule Change	24
Exception - No Plan Response	9	Exception - Inventory Violation	0
Exception - Plan Response Mismatch	22		

3. Optional, enter your search criteria. Click the **Search** button.

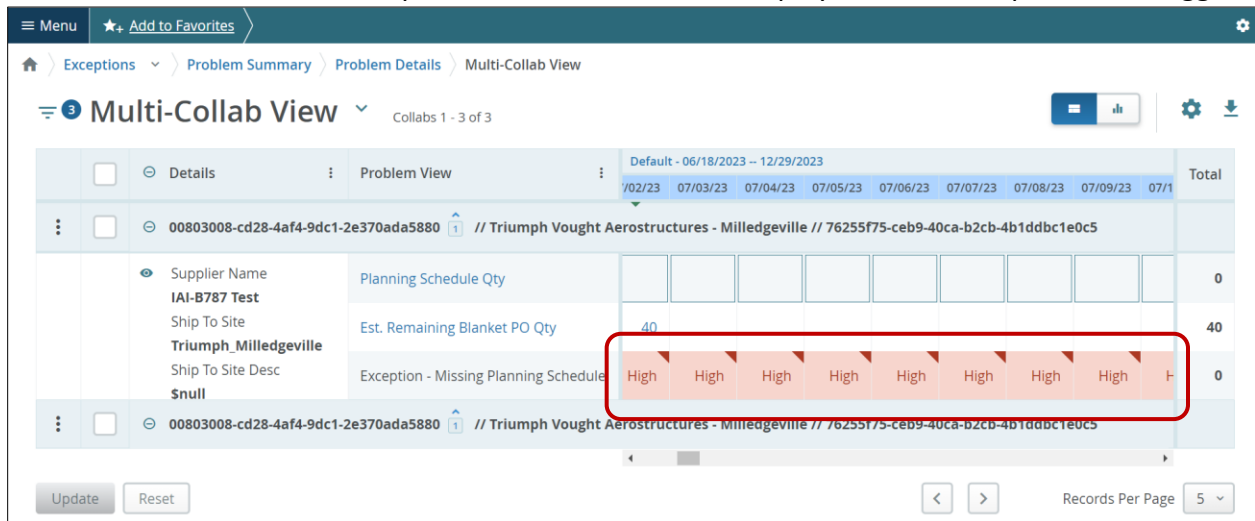
NOTE: The search fields are dependent upon your role.

A screenshot of the 'Search' section in the Exostar application. It shows a search form with several input fields for search criteria: Item Number, Item Description, Ship To Company, Ship To Site, Ship To MPID, Supplier Name, Supplier Code, Supplier MPID, Contact Name, and Schedule Agreement Number. A 'Search' button is highlighted with a red box, and a 'Reset' button is located next to it. There is also a 'Save Search' button and a settings gear icon.

4. Select the checkboxes for the desired items. Click the **View** button.



NOTE: The data measures compared in the business rule display, and the exceptions are flagged.



INVENTORY EXCEPTIONS

This table is for Boeing and Consuming Partners roles ONLY.

Exception Condition	Trigger	Comments
Inventory Violation	When an Available Qty Inventory is published by the Consuming Partner	<ul style="list-style-type: none"> Compares to see if the Available Quantity is between the Minimum Quantity and Maximum Quantity

		<ul style="list-style-type: none"> • Available Qty Inventory < Minimum Qty Inventory • Displays high risk (red), if less than the minimum inventory • Available Qty Inventory > Maximum Qty Inventory • Displays low risk (blue), if greater than the maximum inventory • Blocked Quantity is not taken into consideration for calculating exceptions
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ORDER EXCEPTIONS

This table is for all user roles.

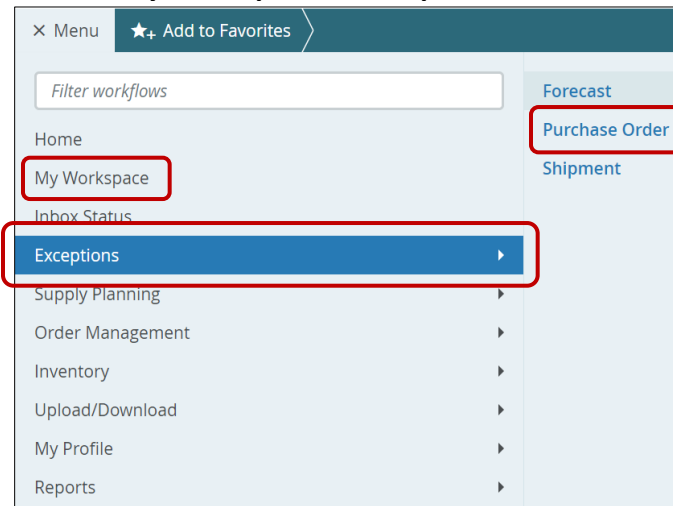
Exception Condition	Trigger	Comments
Over-Shipped Blanket/Discrete POs	Every time a Blanket/Discrete PO Schedule is created or updated	<ul style="list-style-type: none"> • All Blanket/Discrete PO request schedules satisfy ALL the following conditions: <ul style="list-style-type: none"> ○ NOT in 'Cancelled' state ○ Shipped Quantity > Modified Quantity ○ Account Code=Boeing.Puget Sound.ERP LN-BCA • All problems are recorded as HIGH
Over-Shipped Logistics POs	Reverse Every time a RLPO Schedule is created or updated	<ul style="list-style-type: none"> • All Reverse Logistics PO request schedules satisfy ALL the following conditions: <ul style="list-style-type: none"> ○ NOT in 'Cancelled' state ○ Shipped Quantity > Modified Quantity

		<ul style="list-style-type: none">○ Account Code=Boeing. Puget Sound. ERP LN-BCA● All problems are recorded as HIGH
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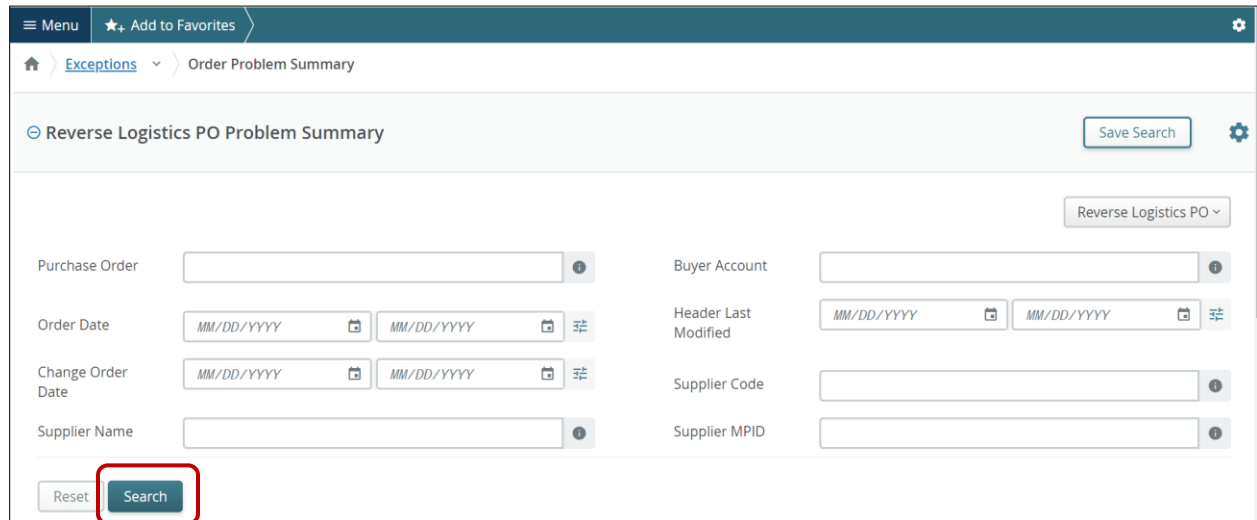
View Purchase Order Exceptions

To view purchase order exceptions:

1. From the menu, select **My Workspace** or **Exceptions** → **Purchase Order**.



2. Enter search criteria. Click **Search**.



NOTE: You can also select a hyperlinked **Total** number from the **Results** section at the bottom of the page.

Results		Total	Problem Name		Total
Over-Shipped Reverse Logistics POs	20	20			

3. Click the **Purchase Order** number link to open the order.

Menu Add to Favorites

Exceptions Order Problem Summary Order List

Reverse Logistics PO Schedules

Page 1 of 1; 20 Records

Over-Shipped Reverse Logistics POs

Purchase Order	PO Line	Change Order Sequence	Order State	Supplier Name
628000000084	1		Completed	HAMILTON STANDSTRAND CORP
628000000084	2		Completed	HAMILTON STANDSTRAND CORP
628000000098	1		Completed	HONEYWELL INC
628000000104	2		Accepted	GOODRICH HELLA AEROSPACE LGHTNG S
628000000134	1		Completed	HAMILTON STANDSTRAND CORP

Full Print Summary Print Download Selected Items View History

Records per page 20

4. On the **Order Details** page, minimize the **Purchase Order Details** or scroll down to the **Order Details** tab. Locate the **Original Qty** or **Modified Qty**, and compare it to the **Shipped Qty** for the item.

Menu Add to Favorites

Exceptions Order Problem Summary Order List PO Details

Purchase Order Details

Full Print Summary Print

Order Details Repair/Replacement Shipment Return Shipment Manifest

Reverse Logistics PO Schedules

Page 1 of 1; 2 Records

State All (2) Filter

PO Line	Schedule State	Modified Qty	Shipped Qty	Current Schedule Ship	Promised for Delivery Date	Qty Avail
1	Completed	-1	8		06/20/2006	
2	Completed	1	4		06/30/2006	

View History

Records per page 20

SHIPMENT EXCEPTIONS

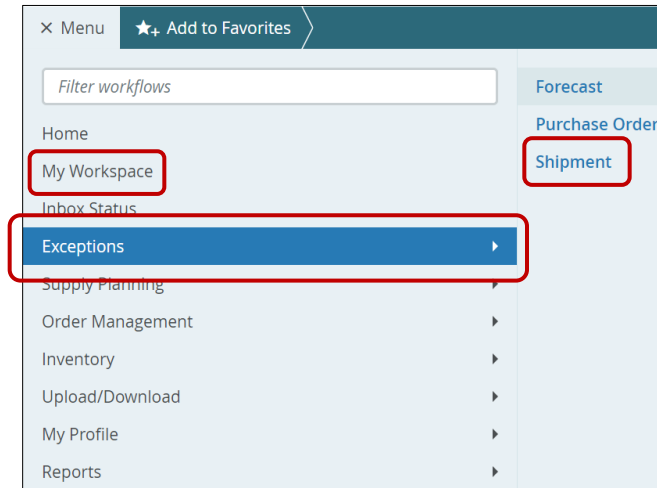
This table is for all user roles.

Exception Condition	Trigger	Comments
Missing Receipt Shipment Alert	Generated every 12 hours at 3 o'clock	<ul style="list-style-type: none"> If no receipt exists for all standard (NOT RSMs) shipment lines that satisfy ALL the following conditions: <ul style="list-style-type: none"> Shipment lines in Sent state Estimated Arrival Date is beyond (today-5 days) Shipped Quantity > 0 Delivered Quantity <= 0 Delivery Date is NULL Ship To is NOT Equal to BOEING MPID No shipment line quantity and receipt quantity matching checks are made. All problems are recorded as HIGH

View Shipment Exceptions

To view shipment exceptions:

- From the menu, go to **My Workspace** or **Exceptions → Shipment**.



2. Enter search criteria. Click **Search**.

The screenshot shows a search interface for 'Shipment Problem Summary'. It includes several input fields for search criteria: Shipment Number, Supplier MPID, Supplier Name, Supplier Code, Shipment Created (with date pickers), Bill of Lading, Tracking Number (Header), License Plate Number, and Estimated Arrival (with date pickers). A 'Reset' button and a 'Search' button (highlighted with a red box) are located at the bottom left. A 'Save Search' button and a settings gear icon are at the top right.

NOTE: You can also select a hyperlinked **Total** number from the **Results** section at the bottom of the page.

The screenshot shows a table with the following structure:

Results		Total		
Problem Name		Total	Problem Name	Total
Missing Receipt Shipment Alert	116	116		

The 'Results' header and the 'Total' link in the second column are highlighted with red boxes.

3. Click the **Shipment Number** link to view additional details.

The screenshot shows a 'Shipment List' table with the following columns: Shipment Number, ASN Line, Purchase Order, PO Line, Line State, Shipment Created, and Line Last Mo. The 'Shipment Number' column is highlighted with a red box. The table contains five rows of data:

Shipment Number	ASN Line	Purchase Order	PO Line	Line State	Shipment Created	Line Last Mo
A550010415	1	Vasuki-787-BPO-UAT-All Yes-02142023-01	0001	Sent	02/14/2023	04/12/2023
A550010426	1	Yesh-AllYes-02202023-1	0001	Sent	02/20/2023	04/28/2023
A550010518	1	Vasuki-787-BPO-UAT-All No-03282023-02	0001	Sent	03/28/2023	03/28/2023
A550010521	1	Yesh-AllYes-03282023-1	0001	Sent	03/28/2023	03/28/2023
A550010522	1	Vasuki-787-BPO-UAT-All Yes-03292023-02	0001	Sent	03/29/2023	03/29/2023

At the bottom of the table, there are buttons for 'Download Selected Items', 'View History', 'Go To Page', 'Jump', and 'Records per page' (set to 20).

4. On the **Shipment Details** page, minimize the **Shipment Details** or scroll down to the **Shipment Details** tab. Note the **Shipped Quantity** and the **Estimated Arrival Date** by scrolling over.

The screenshot displays the 'Shipment Details' page in the EXOSTAR system. At the top, there is a navigation bar with 'Menu' and 'Add to Favorites'. Below it, a breadcrumb trail shows 'Exceptions' > 'Shipment Problem Summary' > 'Shipment List' > 'Shipment Details'. A 'Shipment Details' tab is highlighted with a red box. To the right of the tab are buttons for 'Print ASN', 'Print Label (PMI)', 'Print Label (5x7)', and 'Print Label (4x6)'. Below the tab, there is a 'Shipment List' section with a 'Page 1 of 1; 2 Records' indicator. A 'State' dropdown menu is set to 'All (2)', and there are 'Filter', 'Settings', and 'Download' icons. The main table has the following columns: ASN Line, Line State, Purchase Order, PO Line, Item Number, Item Description, and Shipped. The first row shows ASN Line 1, State 'Sent', PO 'Vasuki-787-BPO-UAT-All Yes-02142023-01', PO Line 0001, Item Number 'ZSBU-STOL-7517', and Item Description 'DOWNLOCK SPRING BUNGEER'. The second row shows ASN Line 2, State 'Receipt Complete', PO 'Vasuki-787-BPO-UAT-All Yes-02142023-01', PO Line 0001, Item Number 'ZSBU-STOL-7517', and Item Description 'DOWNLOCK SPRING BUNGEER'. A red box highlights the 'Shipped' column header and the data in the second row. At the bottom left is a 'View History' button, and at the bottom right are navigation arrows and a 'Records per page' dropdown set to 20.

ASN Line	Line State	Purchase Order	PO Line	Item Number	Item Description	Shipped
1	Sent	Vasuki-787-BPO-UAT-All Yes-02142023-01	0001	ZSBU-STOL-7517	DOWNLOCK SPRING BUNGEER	
2	Receipt Complete	Vasuki-787-BPO-UAT-All Yes-02142023-01	0001	ZSBU-STOL-7517	DOWNLOCK SPRING BUNGEER	