Boeing 787 SCMP Inventory Guide

July 2023

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Contents

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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

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INVENTORY OVERVIEW

This guide provides information and instructions on the inventory function in the Boeing 787 SCMP application. To include:

- Download/Upload Functionality
- Inventory Update

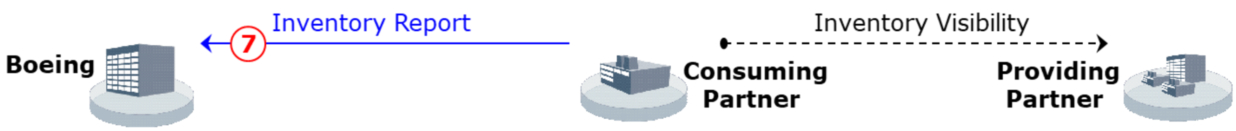
INVENTORY VISIBILITY SOLUTION

Boeing can establish minimum and maximum inventory threshold values:

- Minimum and maximum inventory threshold values are entered as data measures by Boeing users ONLY.
- Minimum and maximum inventory can either be entered in the SCMP user interface or uploaded via the standard Excel spreadsheet upload.
- History of inventory levels are not stored in the SCMP application but are available as part of the Information Manager reporting capability.

Consuming Partners report the current inventory levels at each of their PMI Warehouse locations to provide Boeing with visibility to parts Boeing owns.

- Consuming Partners can publish into SCMP the Inventory Status for the current date only.
- Inventory Status can either be entered in the SCMP user interface or uploaded via the standard Excel spreadsheet upload.
- Inventory Status Data Measures are:
    - **Available Quantity**: Quantity on-hand available for immediate issue.
    - **Blocked Quantity**: Quantity located at the Consuming Partner that is not available for immediate issue, e.g., awaiting quality inspection, non-conformance, grief, etc.
- Inventory can be reported only for items for which a PO existed in the system as a PMI part for shipment to the Consuming Partner.
- Inventory Status is for reference and Providing Partners are not expected to respond to the Inventory Status.
- Inventory uploads will not fail for inactive collabs.



VIEW INVENTORY STATUS

To view inventory status:

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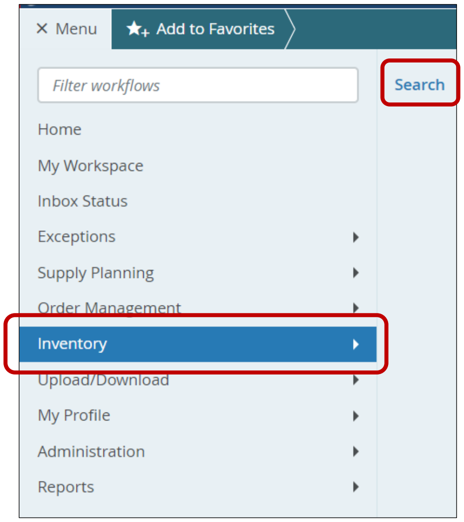
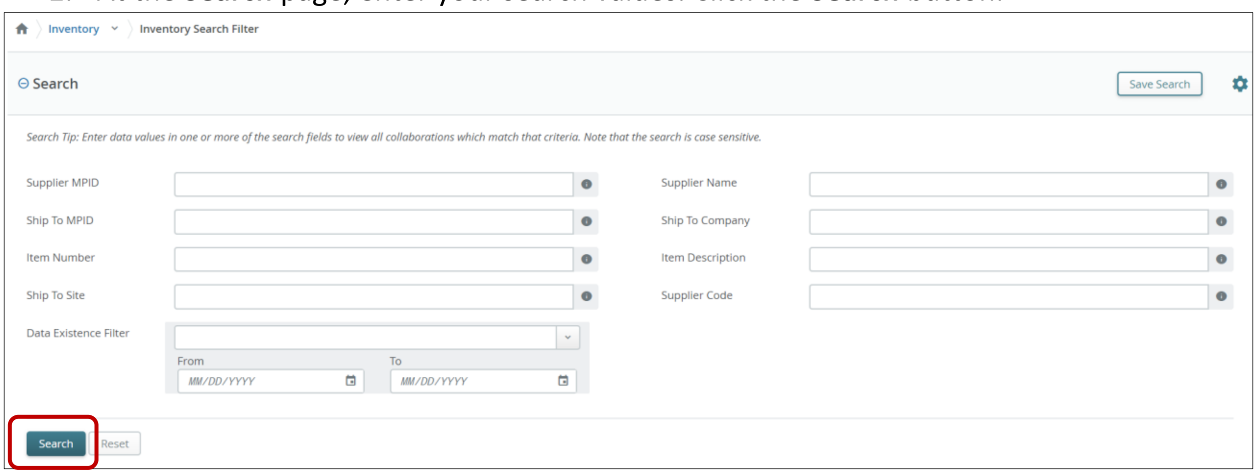
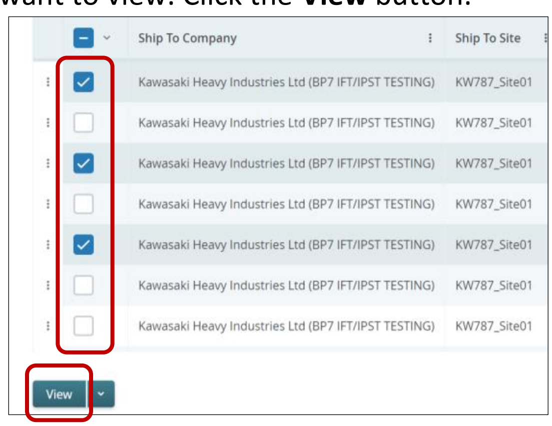
1. From the menu, select **Inventory → Search**.



2. At the **Search** page, enter your search values. Click the **Search** button.



3. From the list of **Collabs** that match your search criteria, select the checkboxes for the collaborations you want to view. Click the **View** button.



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Once the item is consumed into the sub-assembly within the build process, it is in the work in progress (WIP) state and should be taken out of the available/blocked inventory. Boeing does not want to see it as available if it is already incorporated into a sub-assembly.

MIN./MAX. DATA

The Min Max Qty Date must be in the appropriate format. The required Min Max Qty must be equal to or greater than 0 (zero). This value must be fewer than 19 digits.

Pay attention you are entering your minimum quantity in the MinimumQtyInventory data measure row, and your maximum quantity in the MaximumQtyInventory data measure row.

MIN./MAX. INVENTORY UPDATE (BOEING USERS ONLY)

To update Min/Max Inventory via Time Bucket:

1. Enter data into the appropriate time buckets. Click the **Update** button.
2. Click the **OK** button in the confirmation window.

To update Min/Max Inventory via Data Measure:

1. Click the data measure name on the MCV Page. The **PIT Info** screen displays.
2. Edit a value in the **Quantity** column or click the last **Date** field to add a new date and quantity pair. When finished, click the **Submit** button.
3. Click **OK** in the confirmation window.

PIT Information and Details Page

On the PIT Info screen:

- Data Measure pull down menu to select a specific data measure for viewing.
- Quantity for inputting values.
- Refresh updates the information.
- Reset returns values back to original, until the Update button is selected.
- Create lets you create a new date bucket entry.
- Delete removes the selected ID.

Copy PITs

This information is for Consuming Partners and Provider Partners ONLY. To copy PITs:

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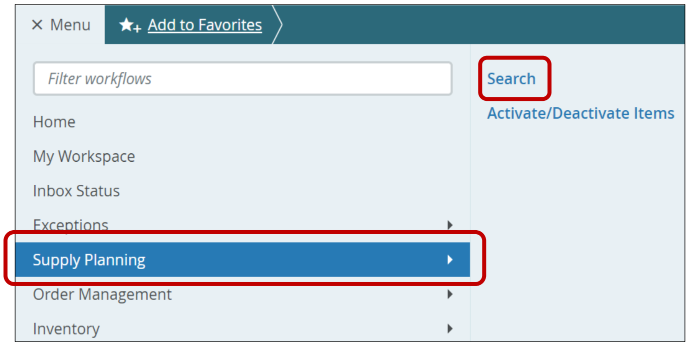
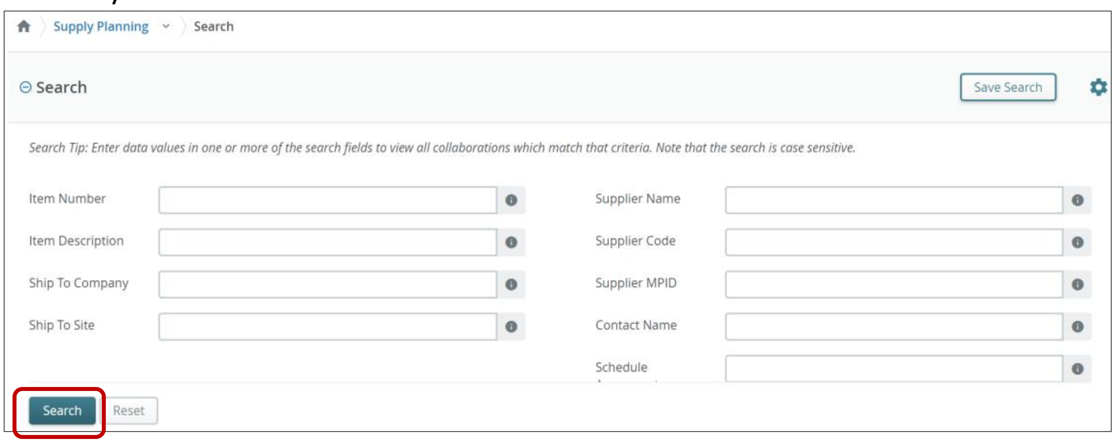
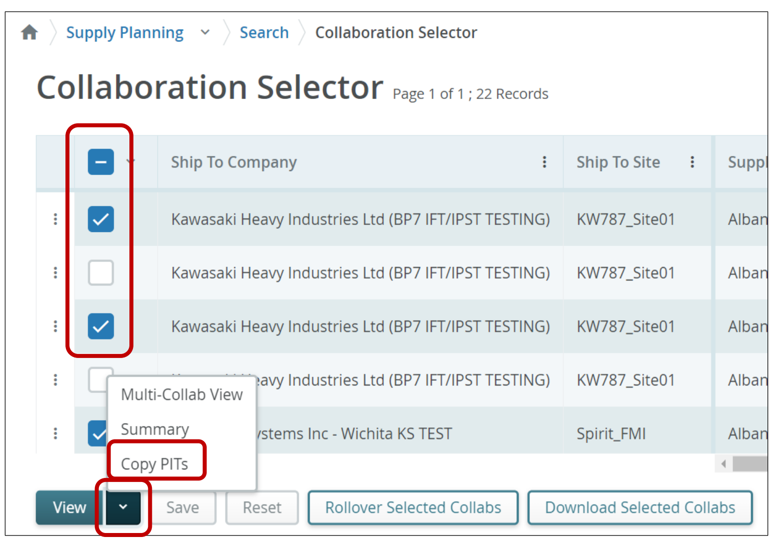
1. From the menu, select **Supply Planning → Search**.



2. Enter your filter or search criteria. Click **Search**.



3. Place checkmarks next to the desired items. Select **Copy Pits** from the drop-down menu next to the **View** button.



4. Set the desired **Start Date** and **End Date**.

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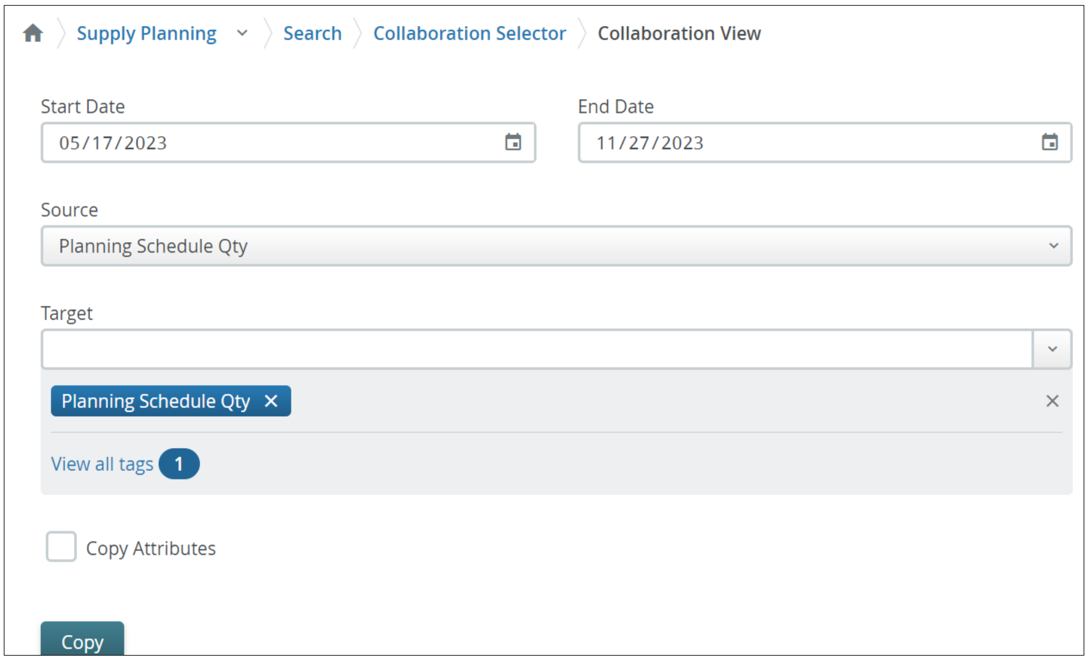
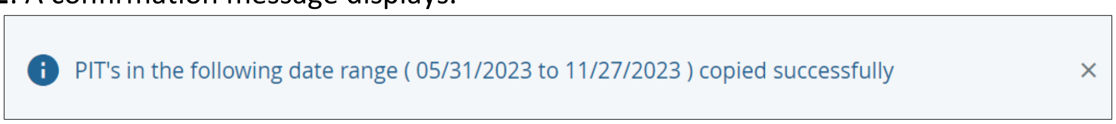
5. From the **Source** pull down menu, choose **Planning Schedule Qty** or other appropriate **Data Measure** you wish to copy.
6. In the **Target** list, click the **Planning Schedule Response Qty** or other appropriate **Data Measure** to which the data will be copied.

NOTE: Your options for **Source** and **Target** are determined by your Role.

7. Click the checkbox next to **Copy Attributes** if you would also like to copy data measure attributes (e.g., Receiver Reference #, Mfg Line #).
8. Click the **Copy** button.

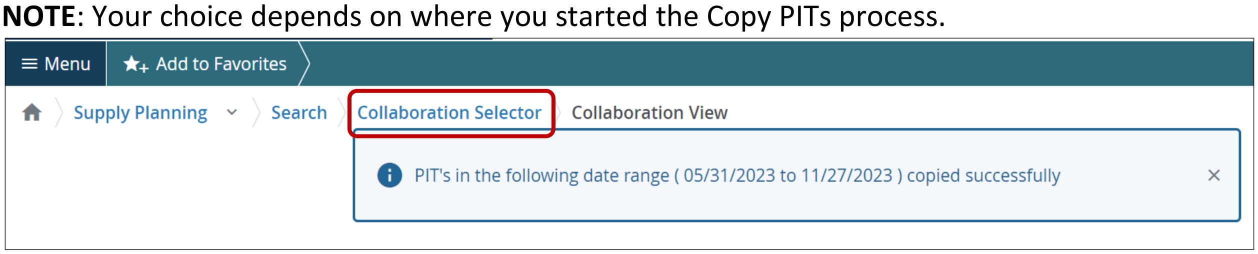


NOTE: A confirmation message displays.



9. Click the **Collaboration Selector** in the **History Path**.

NOTE: Your choice depends on where you started the Copy PITs process.



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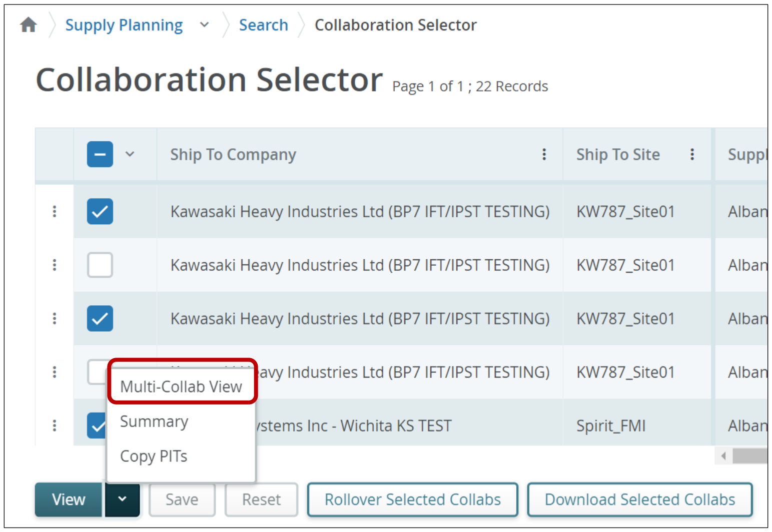
10. If you did not return to the MCV page, change the **Go to** dropdown back to **Multi-Collab View**, and click the **View** button.



NOTE: Notice for the specified date range, the data in the **Source** line was copied to the **Target** line.

Inventory Update (Consuming Partners ONLY)

To update inventory via Time Bucket:

1. Enter data into the appropriate time bucket. Click the **Update** button.
2. Click the **OK** button to acknowledge your change.

To update inventory via Data Measure:

1. Click the data measure name.
2. In the **Quantity** column enter the value for the current date bucket. Click the **Update** button.
3. Click the **OK** button.

Update Data Offline

Edits to Inventory may be done using:

- Your internal system
- Microsoft Excel

Excel 2003 and prior worksheet is limited to 256 columns and 65,535 rows.

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Excel 2007 does not have these limitations.

Import limit at 500 records. Export limit at 1000 records.

Only rows in EDIT identified data columns can be changed.

When you download inventory data, any date with no data, is not included in the download file.

- For example: If there is inventory data for the 1st and 15th of the month, but no data for any other date, only two rows display in the downloaded file.
- If there is no data for an item, you get one blank row.

To add or split data, do not insert a new row into the Excel spreadsheet; instead, copy and paste an existing row, then edit the appropriate data in the editable columns.

If you delete a row, the inventory value for that deleted date becomes empty ($null) in the inventory upon upload.

The hash/number/pound sign (#) as the first character in the first cell of a row, will comment out the entire row so the row will not load.

If you Copy and Paste a row, be sure Excel does not drop the leading zero of a field, going from 012345 to 12345, which could cause the upload to fail.

Warehouse ID must be less than 50 characters.

Download Inventory

The Boeing 787 SCMP application provides two download options, which are specific to your role. Consuming Partners can download Inventory Status and Boeing Users can download Inventory Plans. The following sections provide instructions on both processes.

Download Inventory Status (Consuming Partners)

There are two document type options under Download Inventory Status: Inventory Status Download and Inventory Status UI Export. Please see each process outlined below.

Inventory Status Download

To download an inventory status with the Inventory Status Download Document Type:

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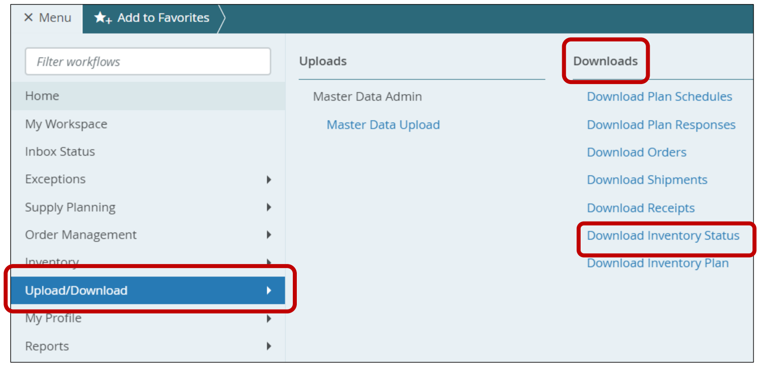
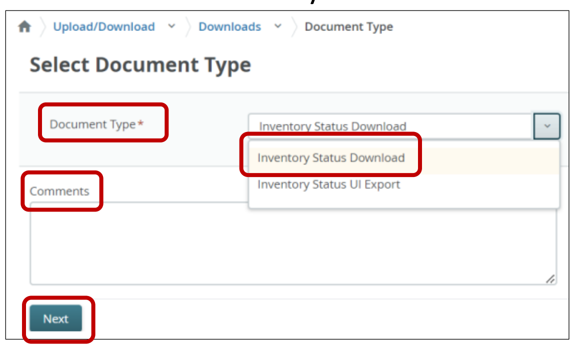
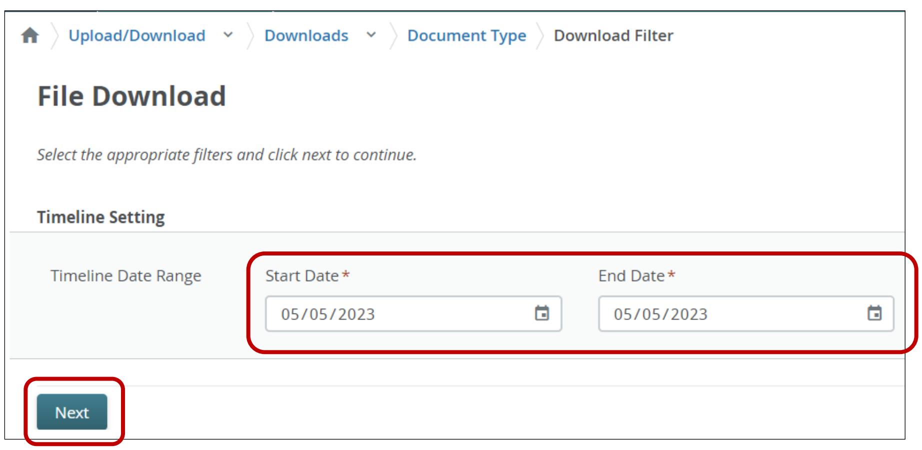
1. From the menu, select **Upload/Download → Downloads → Download Inventory Status**.



2. Select **Inventory Status Download** from the **Document Type** drop-down menu. Optionally, enter **Comments** to reference your download. Click **Next**.



3. Select a **Start Date** and **End Date** for the timeline of the data. Click **Next**.



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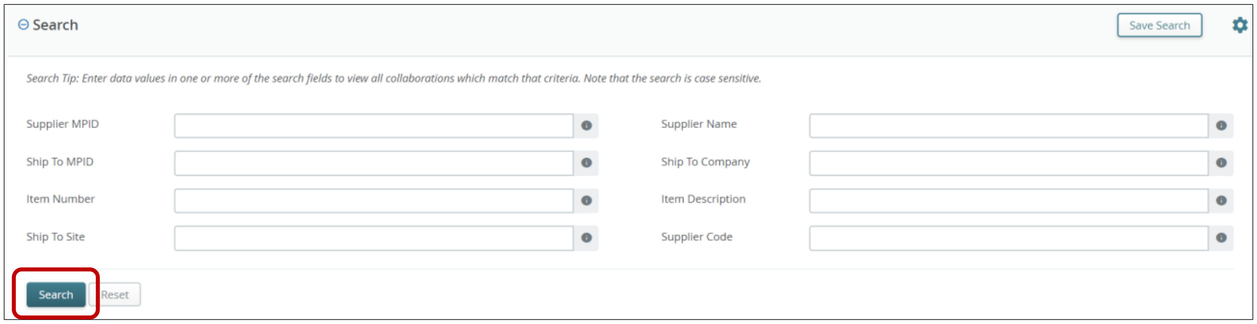
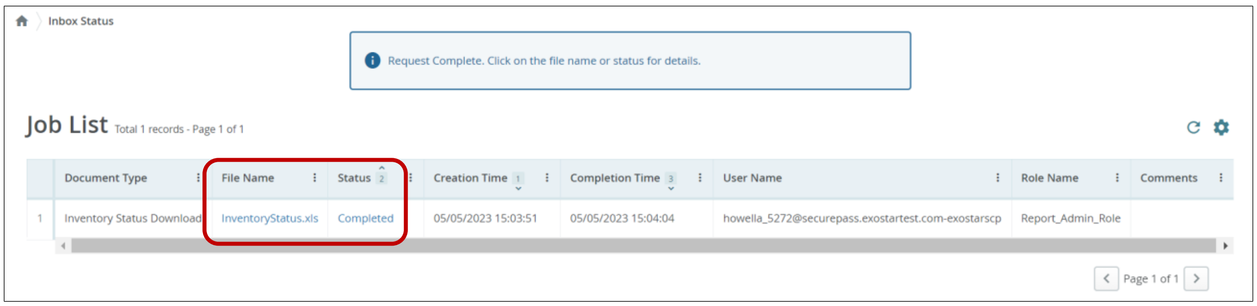
4. Enter search criteria. Click **Search** to complete the download.



5. On the **Job List** page, when the **Status** column displays **Completed**, click the **File Name** to download.

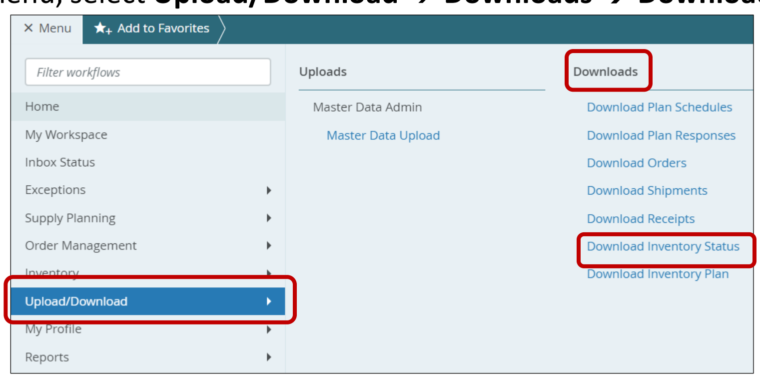


NOTE: If the **Completed with Errors** status displays with an exclamation point icon, an error occurred in processing the data file. In that case, click the icon to view the error file that explains the problem.

Inventory Status UI Export

To download an Inventory Status with the Inventory Status UI Export Document Type:

1. From the menu, select **Upload/Download → Downloads → Download Inventory Status**.



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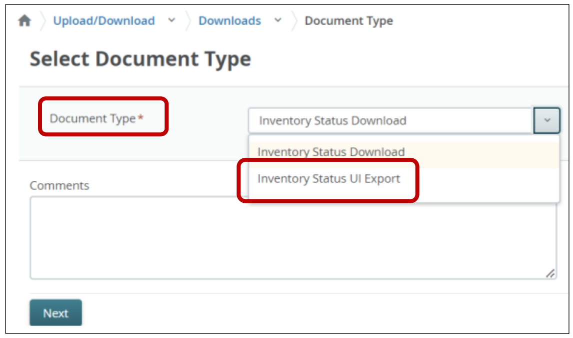
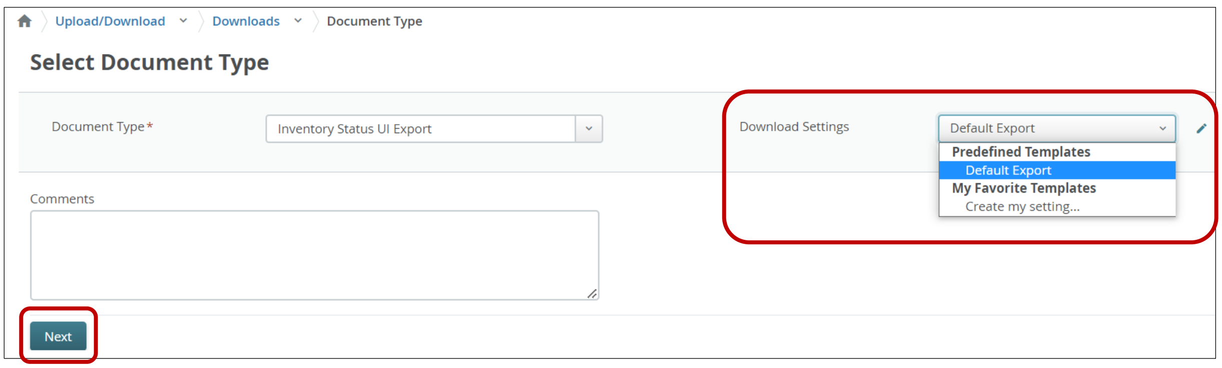
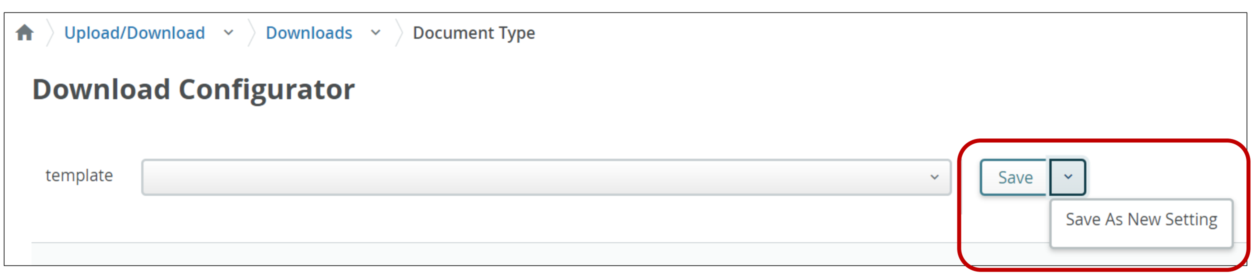
2. Select **Inventory Status UI Export** from the **Document Type** drop-down menu.



3. A **Download Settings** drop-down menu displays. Choose from the following options: **Predefined Template** or **My Favorite Templates.**
4. If you select **Default Export**, click **Next**.



5. If you select **Create my setting…,** the **Download Configurator** screen displays. Select to save an existing template or **Save As New Setting**. A **Setting Name** field displays. Name the new setting. Click **Save**.



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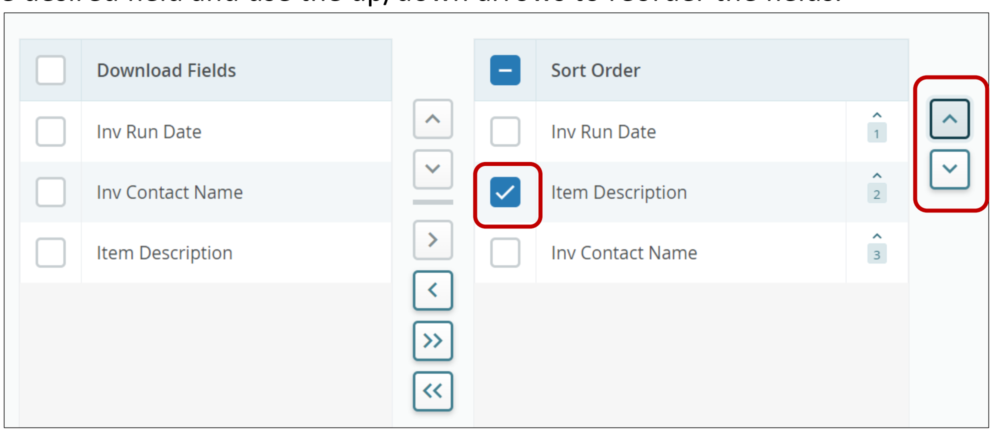
6. Complete the **Columns and Sorting** section by placing checkmarks next to the desired **Available Fields**. Click the arrow buttons provided to move fields to the **Download Fields** and **Sort Order** sections.

NOTE: The double arrow buttons move EVERY available field left or right.

NOTE: Once you add fields to the **Download Fields** and **Sort Order** sections, place a check mark next to the desired field and use the up/down arrows to reorder the fields.



7. Complete the same process for the **Data Measures** section.

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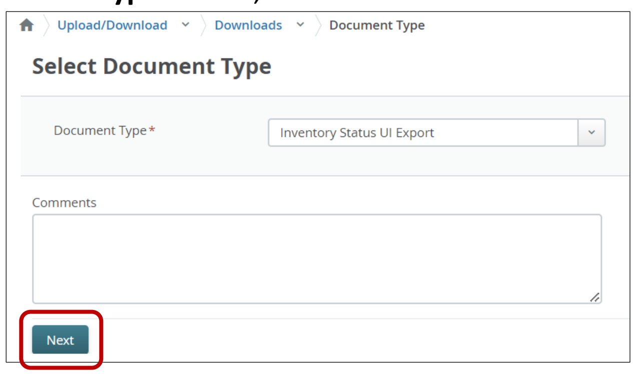
8. In the **Timeline Settings** section, select the **Relative Start Days** and **Relative End Days**. Choose from the **Based On** and **Timeline Patterns** drop-down menus. Select **Close**.

9. Back on the **Document Type** screen, click **Next** to initiate the download.

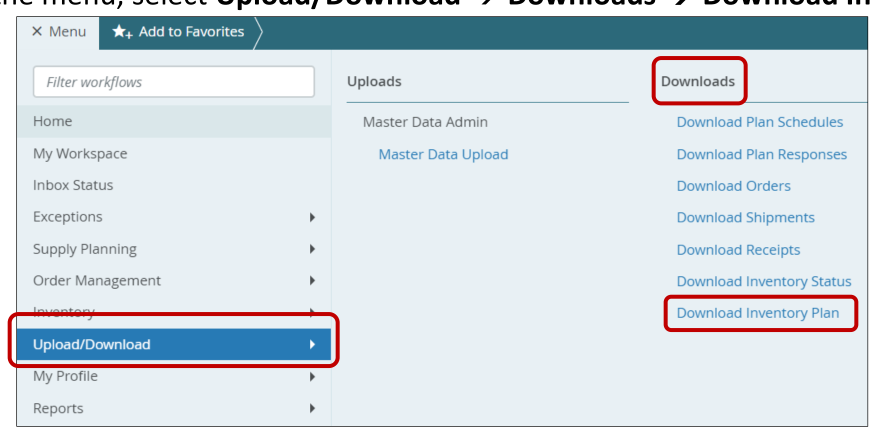


10. Once the **Status** changes to **Completed**, click the **File Name** to download to your local drive.

Download Inventory Plans (Boeing User)

To download an Inventory Plan:

1. From the menu, select **Upload/Download → Downloads → Download Inventory Plan**.



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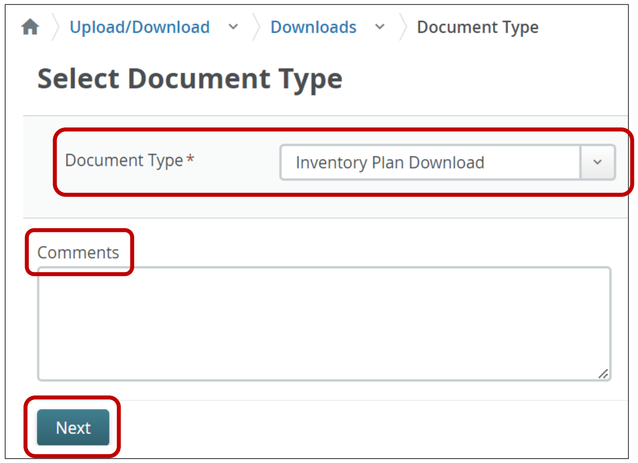
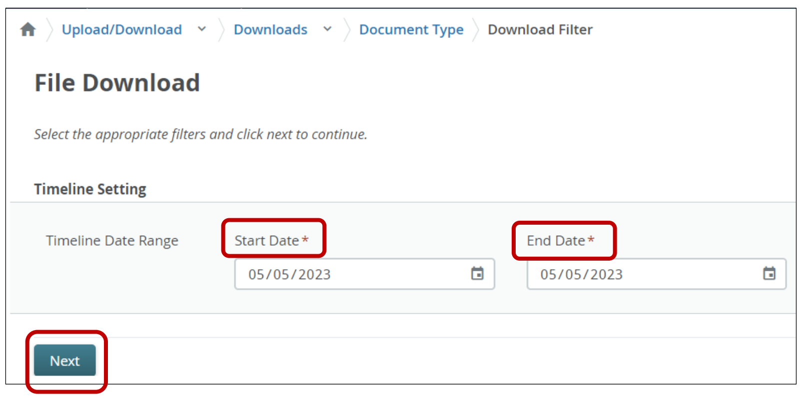
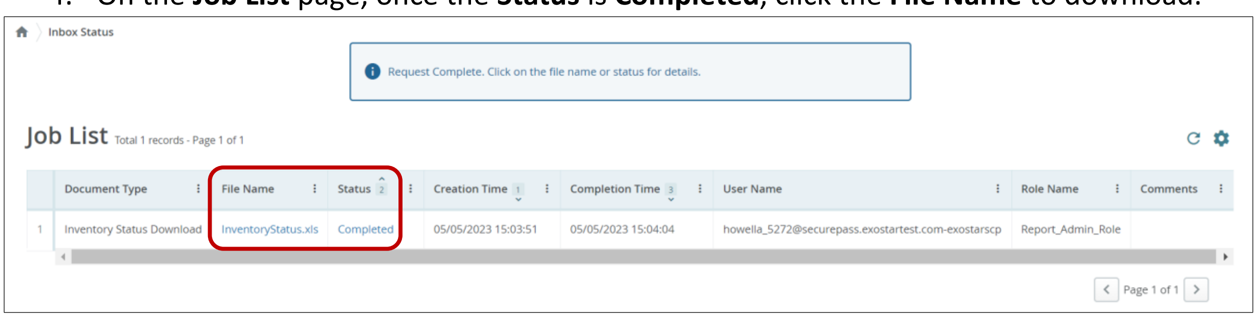
2. On the **Select Document Type** screen, select **Inventory Plan Download** from the drop-down menu. Add **Comments**, if desired. Click **Next**.



3. Select the desired **Start Date** and **End Date**. Click **Next** to initiate the download.



4. On the **Job List** page, once the **Status** is **Completed**, click the **File Name** to download.



Upload Inventory

To upload inventory data:

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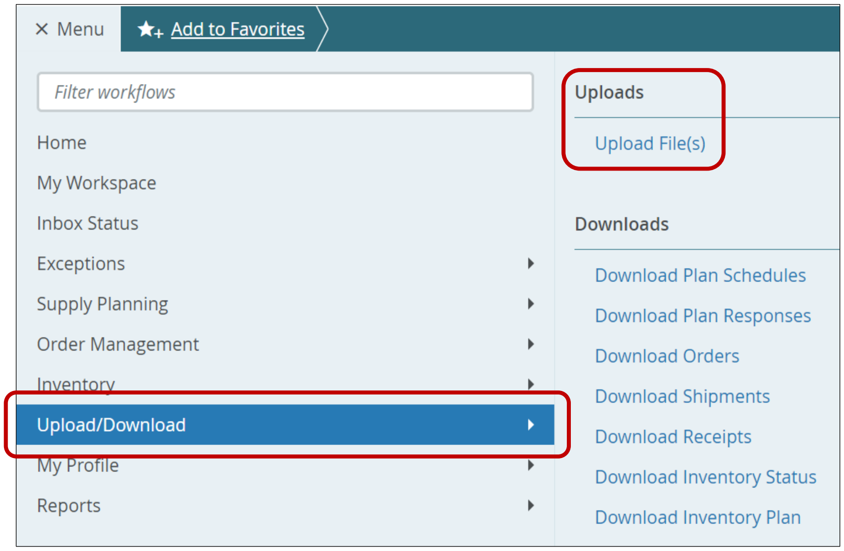
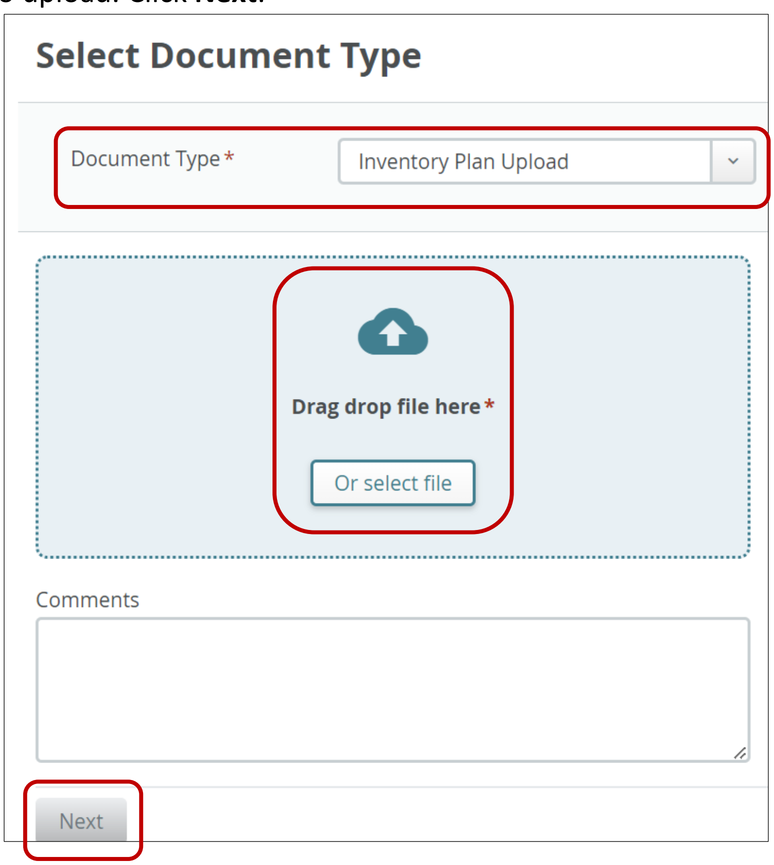
1. From the menu, select **Upload/Download → Uploads → Upload File(s)**.



2. Select the necessary inventory option, depending on your role, from the **Document Type** drop-down menu.
3. Drag and drop your file or click the **Or select file** button. Navigate to and select the file you want to upload. Click **Next**.



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On-Hand Data

The required Qty on Hand Date can only be today, not a past or future date. The required **On Hand Qty** must be equal to or greater than 0 (zero). This value must be fewer than 19 digits.

Pay attention you are entering your available quantity in the AvailableQtyInventory data measure row, and your blocked quantity in the BlockedQtyInventory data measure row.

Data Correction

After you upload a file, you realize you misidentified the warehouse, so you change the file and upload it again; thus, both the misidentified Warehouse ID and the correct Warehouse ID are shown, and their quantities combined. To correct this:

1. Click the **Available Quantity** link.
2. Click the checkbox to select the misidentified **Warehouse ID**. Click the **Delete** button.

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