



upland Ultriva

Ultriva 10.1 version

Release Notes

By Upland Software

Version 1.0

Table of Contents

1 Enhancements 3

- 1.1 Order Tracking Dashboard Improvement..... 3
- 1.2 New ROP Item Category for Min/Max ROP Replenishment..... 3
- 1.3 Add configuration for plant defined supplier acceptance time 7
- 1.4 Added "Ready to Ship Date" functionality..... 8
- 1.5 Security improvement on Request headers and js library 10
- 1.6 Add "scroll-to" behavior on "find" and "find next" results 10
- 1.7 Ability to "ADD" new operations to routes in UI..... 11
- 1.8 Label printing order route information..... 11
- 1.9 Add SupplierWONumber to Integration view..... 11
- 1.10 ReleaseID field available in the Bulk Issue DataOut job..... 12

Ultriva 10.1 Control Release Notes

1 Enhancements

1.1 Order Tracking Dashboard Improvement

Performance improvements on loading large number of cards at home page load. Changes in database and code added to improve page loading.

1.2 New ROP Item Category for Min/Max ROP Replenishment

New Item category: Min/Max Reorder Point (ROP):

Item Creation / Item Edit pages :

- Selection text for category will be “ROP”
- When category changed to ROP, “Re-order Point” element changes to disabled empty textbox
- New checkbox to the right of the textbox to override ROP formula.
- By default, the ROP formula will be used when category is set to ROP
- **ROP formula**
 - **Reorder point = lead time demand + safety qty**
 - **Lead time demand = (lead time + transit time + handling time) * average daily usage**
- If checkbox is unchecked, ROP formula calculated automatically by entering values in the following fields : [Handling Time, Safety Time, Lead time, Transit time].
- If checkbox is checked, user may enter custom value in textbox, including on new item add, and ROP formula is not applied on Save.
- If checkbox is checked validate that custom ROP qty is less than Pallet qty.

The screenshot shows the 'New Item' form in the Ultriva Lean Suite QA 10 application. The form is titled 'New Item' and is part of the 'Admin > Item' section. The 'Business Unit' is 'TCEK-Ram' and the 'Application' is 'Application (Plant)'. The 'Item Information' section includes the following fields:

*Item No:	10r	*Description:	10r
Revision No:		*Handling Time:	1 (in days)
Location Code:		ABC Code:	
*Price Per UOM:	0	*Category:	ROP
*Re - order Point:	40 <input type="checkbox"/> Override	Lot Number Tracking:	None
Serial Controlled:	<input type="checkbox"/>		

The 'Re - order Point' field is highlighted with a red box, and the 'Category' dropdown is set to 'ROP'.

Ultriva 10.1 Control Release Notes

upland Ultriva Ultriva Lean Suite QA 10

Business Unit: TCEK-Ram Application: Application (Plant)

Admin > Item

New Item

Base Information Supplier Additional Information UOM Information Notes Custom Field List

Item Information

*Item No: 10r *Description: 10r
 Revision No: Handling Time: 1 (in days)
 Location Code: ABC Code:
 *Price Per UOM: 0
 *Re - order Point: 50 Override **ROP**
 Serial Controlled: None

Reorder Point = Lead Time Demand + Safety Stock. Lead Time Demand = (Lead Time + Transit Time + Handling Time) * Average Daily Usage.

Coordinator Information

- Save the new item, fill Units On-Hand.

upland Ultriva Ultriva Lean Suite QA 10

Business Unit: TCEK-Ram Application: Application (Plant)

Admin > Home

Adjust Loopsize for Item: 10r

Cancel Next >

Input Parameters Adjust Loopsize On Order Details

Initial Setup

Please enter your current inventory on hand and on order data to setup the Initial Loopsize for the Item:

*Units On Hand: 90

- Click next to review your data.

upland Ultriva Ultriva Lean Suite QA 10

Business Unit: TCEK-Ram Application: Application (Plant)

Admin > Home

Adjust Loopsize for Item: 10r

Cancel < Prev Next >

Input Parameters Adjust Loopsize On Order Details

Configure Loopsize Parameters

Initial Setup:

	Units	Equivalent Kanban Cards
Units On Hand	90	1
Units On Order	0	0
Total	90	1

Kanban Calculator:

	Current
Quantity On Card	100.0000
Run Line Time	0.0000
Handling Time (in days)	1.0000
Lead Time (in days)	1.0000
Transit Time (in days)	1.0000
Usage Per Day	10.0000

Kanban Formula:

Reorder point = lead time demand + safety qty
 Lead time demand = (lead time + transit time + handling time) * average daily usage

Quantity on Card

*Required field

- Click next, one permanent card created (With ROP, there is only one permanent card), One card is created for ROP and user is taken to card list
- You shouldn't be able to "Add/Remove card" for ROP items.

Ultriva 10.1 Control Release Notes

Business Unit: TCEK-Ram Application: Application (Plant)

Views Print Export

Loopsize adjusted successfully for Item: 10r

Filter By Select Operator Enter Value Go

+ Add / Remove Cards Update Location Print Back

Current loop size (Replenishment Cards) 1 Cards to be destroyed after consumption 0 Non-replenishment Cards 0 Total Cards 1

Sorted by: Card ID 1 to 1 of 1

<input type="checkbox"/>	Card ID	Card State	Cycle No	Standard Qty	Card Qty	Last Action Time	Create Time	Cycles Remaining	Location Code
<input type="checkbox"/>	KCD2RCQQALZQ	On Hand	0	100	90	09/14/2021 02:11:47 PM	09/14/2021	Infinite	

Ultriva © 2020

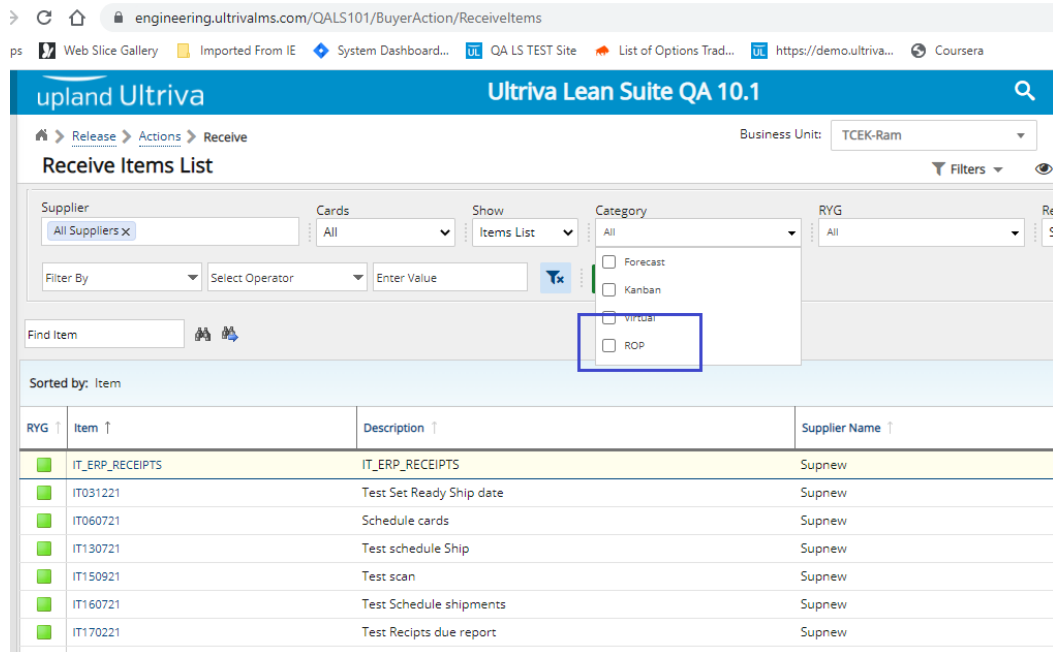
Integration considerations:

- Item Sync
 - ReorderPoint will be “ROP” if formula is to be used
 - ReorderPoint will be [-1] if formula is not to be used. Field in DB will not be updated
 - Any value other than “ROP” or [-1] must be whole number and filled will be updated with that value (Custom Rop value).

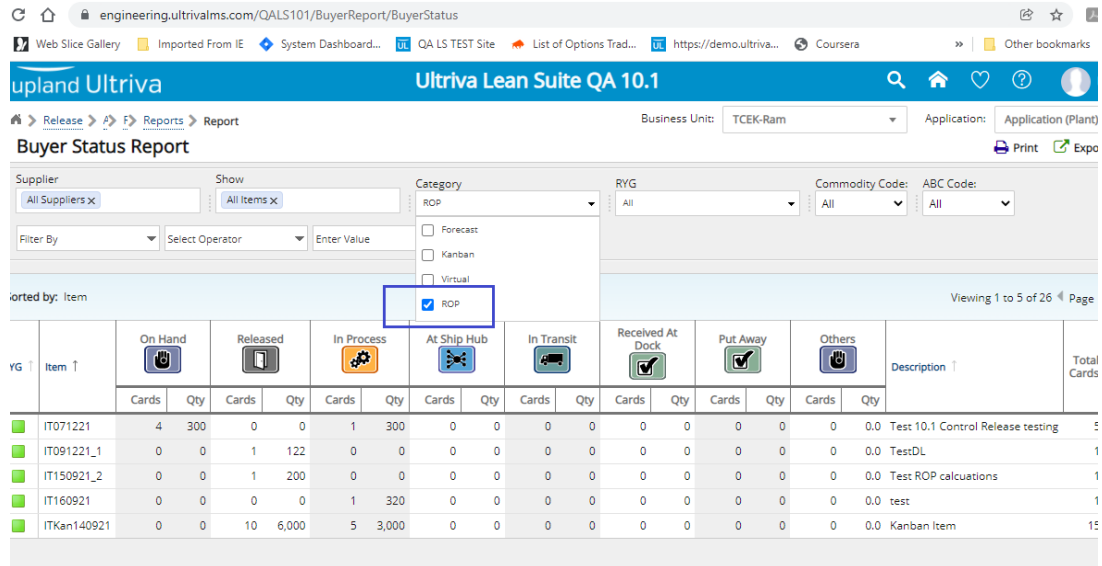
Card	VendorCode	EBJ_RTPARAMS	sup allocation	LeadTime	TransitTime	HandlingTime	PricePerUOM	BeginOnHandQty	CurrentOrderQty	ReorderPoint		
1	1	10	90	1	50 ROP	LB	05r	Link	6mm	PL2309161	Com2309161	0

- Inventory Sync
 - Add check for category “ROP” to the current criteria of VKB or Forecast
 - Consume card quantity through inventory sync.
-
- | EBJ_BUSCODE | EBJ_ITEMNO | InventoryDate | InventoryQty |
|-------------|------------|---------------|--------------|
| TCEK-Ram | 05r | 06/24/2021 | 40 |
- Release card when consumption point has been reached value derived from ROP formula or a custom value
 - Order quantity should be max pallet qty minus current card qty
 - Create ghost card to represent remaining inventory(card qty) and decrement consumption against that with inventory integration
 - On receipt, adjust qty on card to (received qty plus qty on card for ghost card) then Destroy ghost card
 - If card qty for ghost card reaches zero before ROP card is received, destroy ghost card.
- **Add ROP to Category filter for all pages**
 - You can filter Item category by ROP in any page contains Item category filter.
 - ROP category option added in all actions (which ever applicable actions)

Ultriva 10.1 Control Release Notes



- ROP category option added in all Reports (which ever applicable Reports)



Ultriva 10.1 Control Release Notes

1.3 Add configuration for plant defined supplier acceptance time

On the home screen in the Order Tracking panel, we show Order Not Yet accepted. This is based on static 24-hour period from time of card release. There should be a configuration to set the value based on plant business decision for how long, in hours, they allow for supplier to accept new orders.

Should be a free form text box validating for whole number

Default value should be 24

Configuration should be placed on the Card tab

Text for configuration is "Supplier should accept new cards within n hours".

Cards not yet acknowledge before this change is depending on the following condition:

$\text{ReqAcceptDate} \leq \text{'Beginning of Today'}$

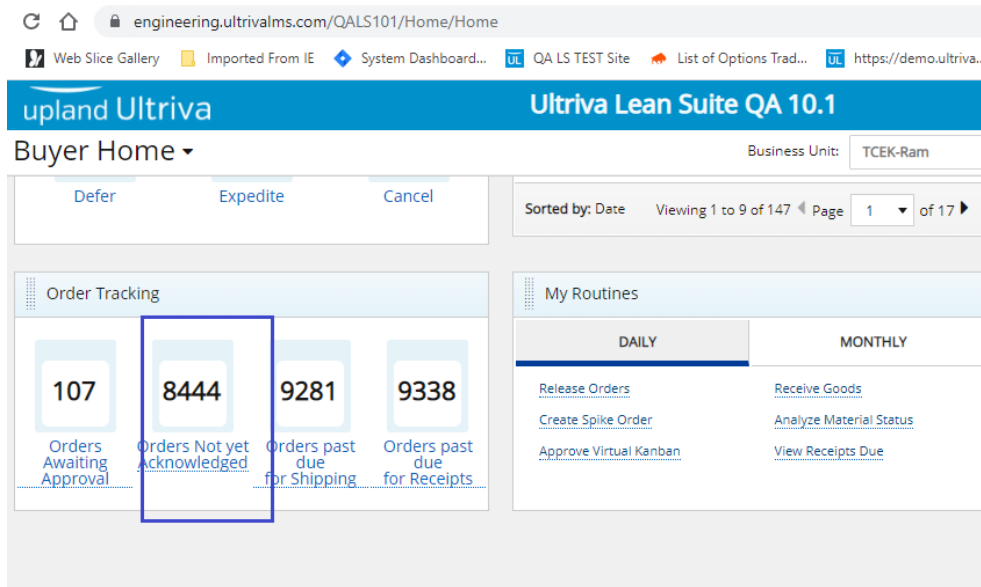
After this change the logic will be: $((\text{ReleaseDate} + \text{ConfigHours}) \leq \text{'Beginning of Today'})$

The screenshot shows the configuration page for TCEK-Ram in the Ultriva Lean Suite QA 10.1. The page title is "Plant Configuration for: TCEK-Ram". The configuration items are listed in a table with columns for Name and Value.

Name	Value
Different Prefix for Temporary Card: ⓘ	<input type="checkbox"/> OFF
Expiry Date for Temporary Card: ⓘ	<input type="checkbox"/> OFF
Item sync: Setup loopsize for new item ⓘ	<input type="checkbox"/> OFF
Item sync: Loopsize action for existing item ⓘ	Do both increase & decrease
Loopsize Formula Kind: ⓘ	Do not force loopsize
Max limit for Cards to be added in a single batch: ⓘ	<input type="text" value="200"/>
Validate Location codes: ⓘ	<input type="checkbox"/> OFF
Supplier should accept new cards within n hours: ⓘ	<input type="text" value="48"/>

*Required field

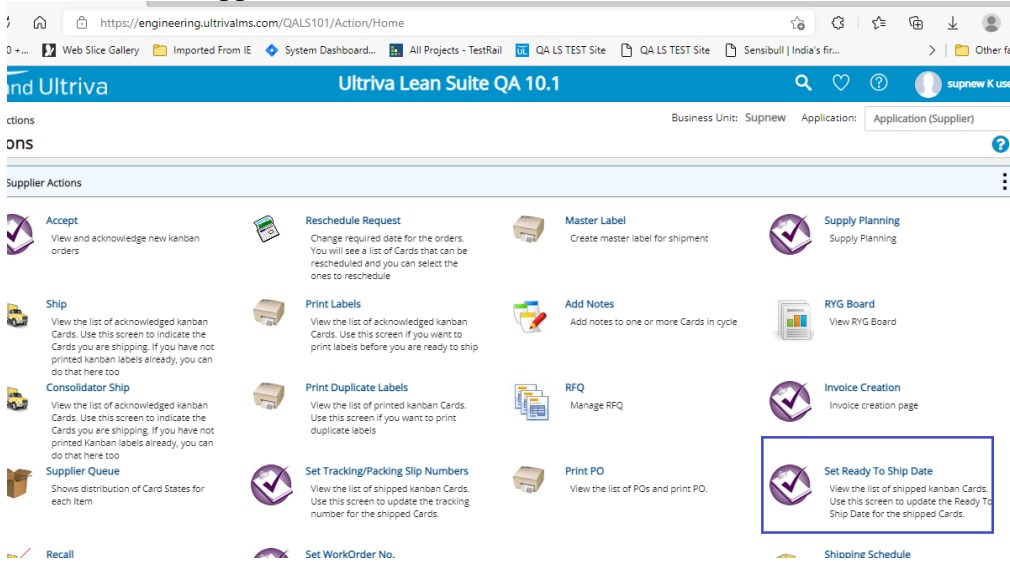
Ultriva 10.1 Control Release Notes



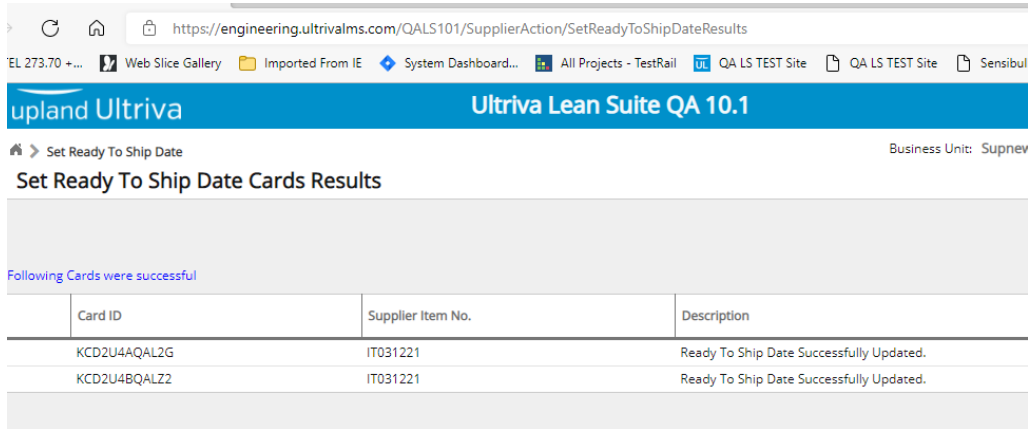
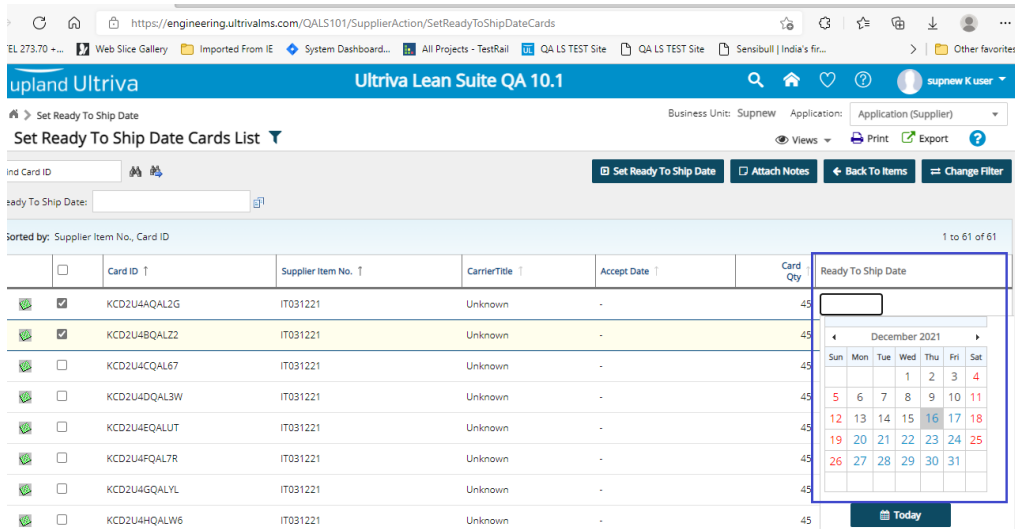
1.4 Added "Ready to Ship Date" functionality

Allow suppliers to enter a 'Ready to Ship Date' on a new action page. This information will be stored on the card/order level and will be listed as part of card history excel report.

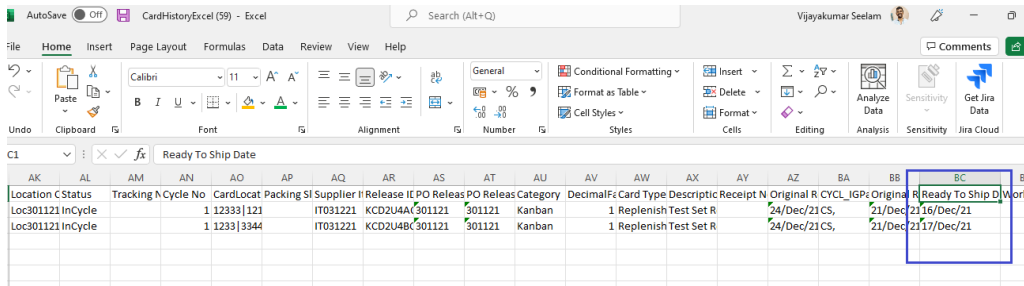
New Menu in supplier actions:



Ultriva 10.1 Control Release Notes



Added Ready ship date in card history excel report.



Ultriva 10.1 Control Release Notes

1.5 Security improvement on Request headers and js library

Previously our system was using JS library lodash.js, this library reported some vulnerabilities, to remove it we upgraded version for our DataGrid libraries, after this we were able to remove that library and any dependent library.

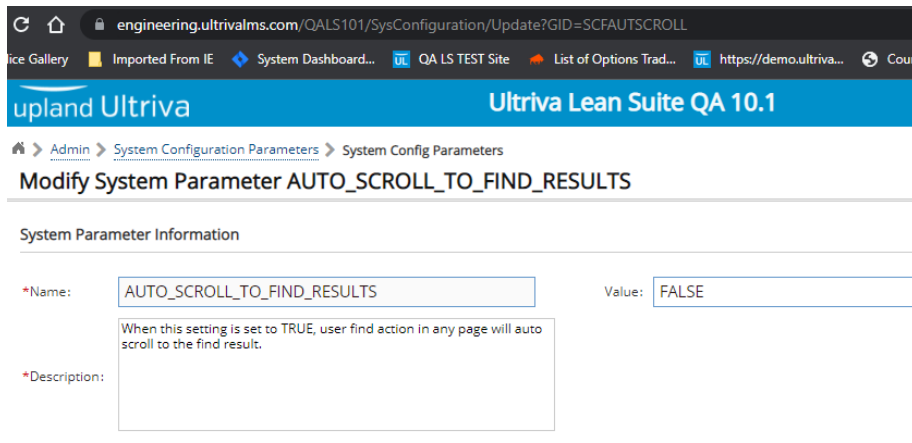
Added extra http headers, to make each request more secure.

- X-Frame-Options
- X-Content-Type-Options
- Referrer-Policy
- Content-Security-Policy
- Strict-Transport-Security
- X-XSS-Protection

1.6 Add "scroll-to" behavior on "find" and "find next" results

When using the find and find next function, the screen should scroll to the result record and the column headers should remain locked.

New SysConfigurationParam added: AUTO_SCROLL_TO_FIND_RESULTS, default value will be TRUE. This setting will disable the auto scroll feature.

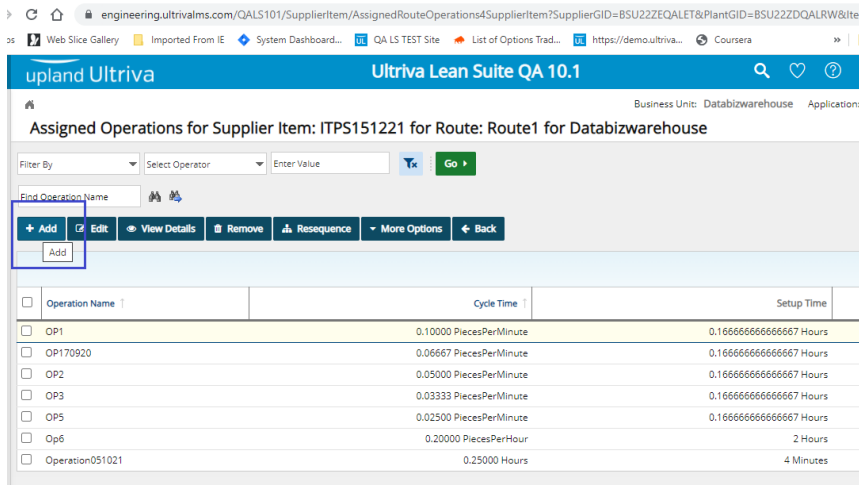


The screenshot shows a web browser window with the URL `engineering.ultrivalms.com/QALS101/SysConfiguration/Update?GID=SCFAUTSCROLL`. The page title is "Ultriva Lean Suite QA 10.1". The breadcrumb navigation is "Admin > System Configuration Parameters > System Config Parameters". The main heading is "Modify System Parameter AUTO_SCROLL_TO_FIND_RESULTS". Under "System Parameter Information", the "Name" field contains "AUTO_SCROLL_TO_FIND_RESULTS" and the "Value" field contains "FALSE". A "Description" field contains the text: "When this setting is set to TRUE, user find action in any page will auto scroll to the find result."

Ultriva 10.1 Control Release Notes

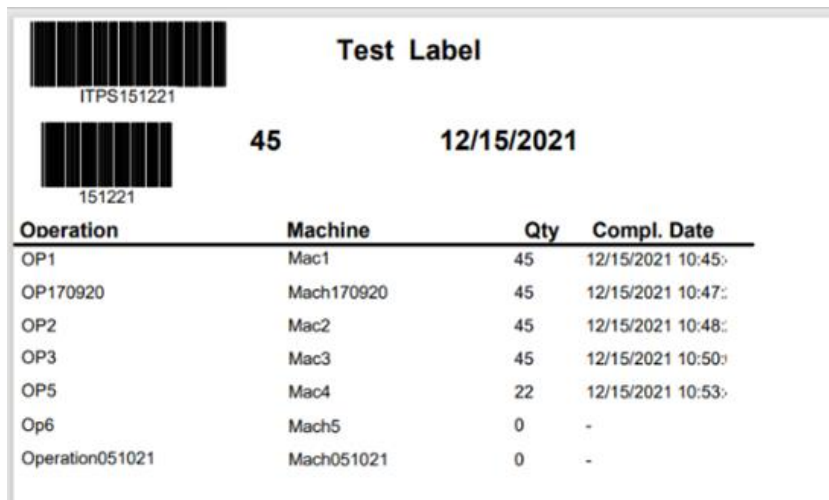
1.7 Ability to "ADD" new operations to routes in UI

Added the ability to "Add" new operations to routes using UI. Previously this action was allowed just using OEE Data load.



1.8 Label printing order route information

New label was generated to include order route information, this information should include operation/machine/completed qty/completed date. Label will have item number and PO number as barcode, also item description, order quantity and due date will be available. This will be a 4x6 label.



1.9 Add SupplierWONumber to Integration view

SupplierWONumber field now is available to be exported as part of any of the DataOut integrations.

Ultriva 10.1 Control Release Notes

1.10 ReleaseID field available in the Bulk Issue DataOut job

ReleaseID field added to the Bulk Issue data out available fields.

Field Mapping for JOBEXPBULKISSUE

<input type="checkbox"/>	Description
<input checked="" type="checkbox"/>	ITEM_NUM
<input checked="" type="checkbox"/>	LOCATOR_CODE
<input checked="" type="checkbox"/>	ORGANIZATION_CODE
<input checked="" type="checkbox"/>	QUANTITY
<input checked="" type="checkbox"/>	ReleaseID
<input checked="" type="checkbox"/>	SUBINVENTORY_CODE
<input checked="" type="checkbox"/>	UNIT_OF_MEASURE

ITEM_NUM	ORGANIZATION_CODE	QUANTITY	UNIT_OF_MEASURE	SUBINVENTORY_CODE	LOCATOR_CODE	ReleaseID
IT161221	TCEK-Ram	200.0000	EA	Loc1	Loc2	KCD2UBSQALMP-001-8