

PAPER-LESS

MANUFACTURING EXCELLENCE THROUGH SOFTWARE

PAPER-LESS MES/MV2

5.4.18 RELEASE INFORMATION

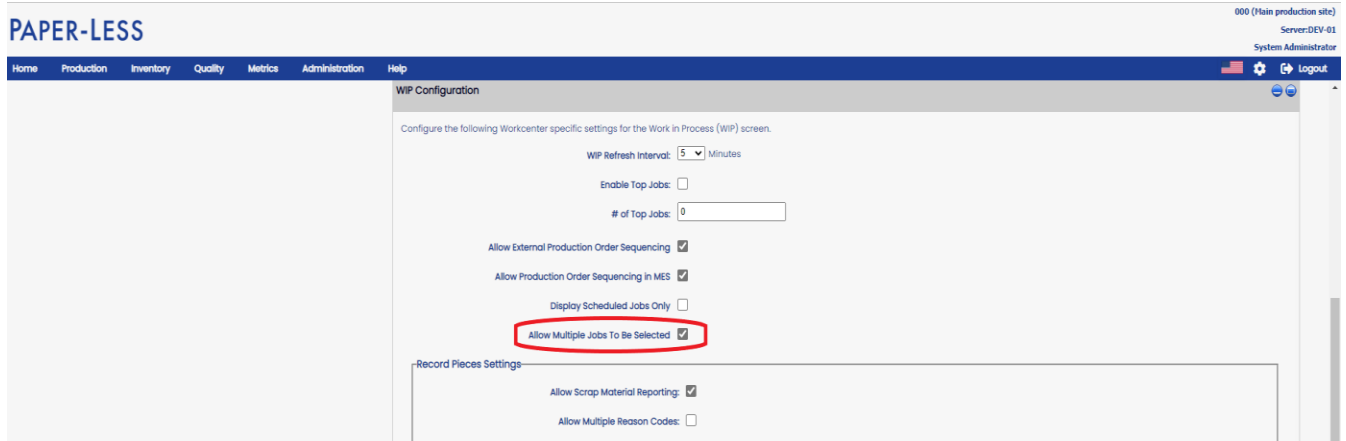
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PURPOSE

The purpose of this document is to outline the major enhancements and change requests made to the latest Paper-Less release. Prior to performing any upgrades, please review the Paper-Less Hardware and Software Requirements documentation to ensure your system meets the latest recommended requirements. If you have any questions, please contact the Paper-Less Help Desk at: technical.support@paperlessllc.com or 888-473-0800.

NEW FEATURES & ENHANCEMENTS

- Enhanced the application to provide the option for Multi-select mode by workcenter.



- Enhanced the product with new Touchscreen WIP Grid controls for Multi-select ability, including ability to Select All/De-select All.



- Enhanced the application to allow Start Run, Stop, and Stop w/o Quantity on Multiple Selected jobs for an Individual. (This function does not support Nests or Kanban orders. Job-Off Only, and Job-On Optional/Job-Off Required workcenters are currently not supported).

PAPER-LESS Site: 000 (Main production site)
System Administrator

Home Attendance Logout

Work in Process
Select an action to perform on M007380-1400 with Status Active at Workcenter ASEM for User System Administrator. Users: MICHELLE WOELFEL 242

Job Details -

Workcenter: ASEM
Std Run Time: 01:42:00
Accum Run Time: 288:54:04

Expected Qty: 303
Open Qty: 410
Good Qty: 103
Scrap Qty: 4

Std Run Rate: 5.88235
Actual Run Rate: 0.13463
Variance: -97.71%
Labor Active?: True

Start Run

Stop

Stop w/o Qty

Start Crew

Stop Crew

My Jobs

Job Search

GOOGL

Order	Item	OPDSC	User	S	I
<input checked="" type="checkbox"/>	M007380-1400	1002- (Desktop, Model: DX4870-UB20P)	MICHELLE WOELFEL 242	R	!
<input checked="" type="checkbox"/>	MMW0010-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)	MICHELLE WOELFEL 242	R	!
<input type="checkbox"/>	MMW0020-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)		I	!
<input type="checkbox"/>	MMW0030-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)		I	!
<input type="checkbox"/>	MMW0050-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)		I	!
<input type="checkbox"/>	MMW0070-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)		I	!
<input type="checkbox"/>	MMW0080-0010	2426- (24 X 26 FAB B/L=N INSPECT=Y)		I	!

2 rows selected 1-7 of 16

Workcenter

- Enhanced the application to allow Start Crew and Stop Crew on Multiple Selected jobs for Crews. (This function does not support Nests or Kanban orders. Job-Off Only, and Job-On Optional/Job-Off Required workcenters are currently not supported).

PAPER-LESS Site: 000 (Main production site)
System Administrator

Home Attendance Logout

Work in Process
Select an action to perform on M009370-1800 with Status Active at Workcenter 9000 for User System Administrator. Users: RICK REITH - 10, SANDRA MIERS

Job Details -

Workcenter: 9000
Std Run Time: 03:30:00
Accum Run Time: 00:00:00

Expected Qty: 10
Open Qty: 10
Good Qty: 0
Scrap Qty: 0

Std Run Rate: 2.85714
Actual Run Rate: 0
Variance: -100.00%
Labor Active?: True

Start Run

Stop

Start Crew

Stop Crew

My Jobs

Job Search

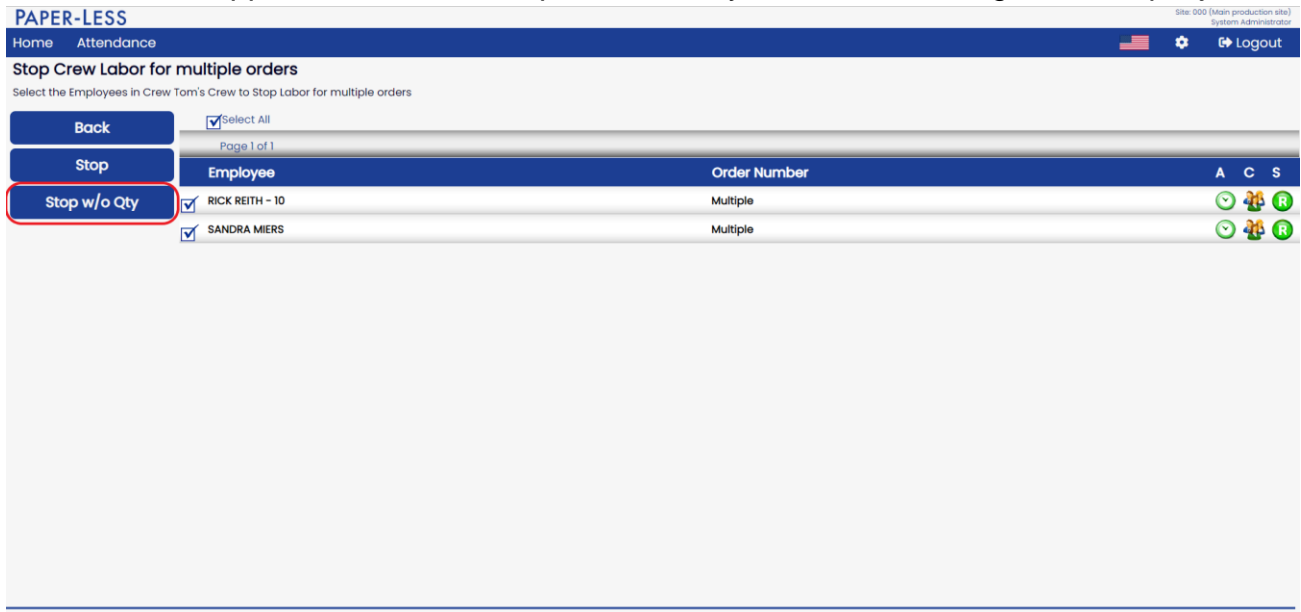
GOOGL

Order	Item	OPDSC	User	S	I
<input type="checkbox"/>	M006910-1000	2424- (24 X 24 FAB B/L=Y INSPECT=N)	Multiple Users	R	!
<input type="checkbox"/>	M005960-1000	1002- (Desktop, Model: DX4870-UB20P)	System Administrator	R	! ✓
<input type="checkbox"/>	M006950-1800	2424- (24 X 24 FAB B/L=Y INSPECT=N)	System Administrator	R	!
<input checked="" type="checkbox"/>	M009360-1000	700QA-A (Notebook, Model: MC706LL)	Multiple Users	R	!
<input checked="" type="checkbox"/>	M009370-1000	1112BT700-A (PC, 266 MHz Desktop)	Multiple Users	R	!
<input checked="" type="checkbox"/>	M009370-1800	1112BT700-A (PC, 266 MHz Desktop)	Multiple Users	R	!
<input type="checkbox"/>	M009390-1000	700QA-A (Notebook, Model: MC706LL)	Multiple Users	R	!

3 rows selected 1-7 of 50

Workcenter

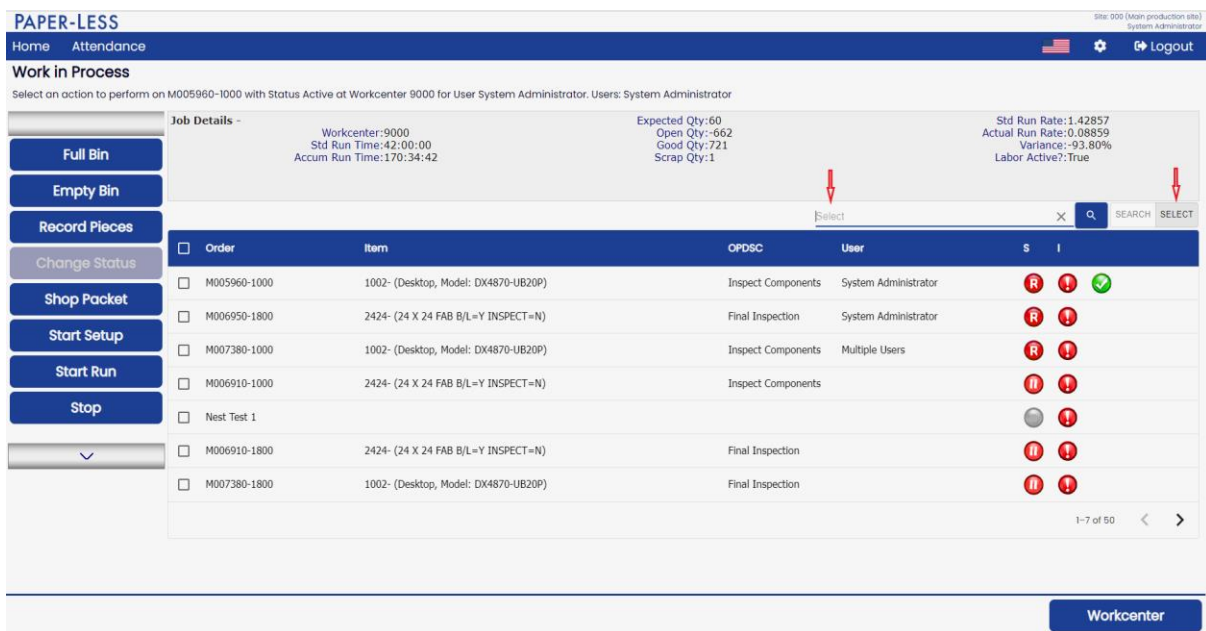
- Enhanced the application to allow Stop w/o Quantity for Crews for Single or Multiple jobs.



- Added a new WIP Action Button to Workcenter Admin for Crew Stop w/o Quantity.



- When in Multi-Select mode, the Quick Filter function was enhanced with an option that allows the function to be used as a Filter or as a Single Select within the workcenter. The Single Select works to Select or De-select an Order-Operation or Turnaround # that is typed or scanned into the field.



Work in Process

Select an action to perform on M007380-1000 with Status Active at Workcenter 9000 for User System Administrator. Users: RICK REITH - 10, SANDRA MIERS

Job Details -

Workcenter: 9000
Std Run Time: 03:30:00
Accum Run Time: 00:19:43

Expected Qty: 10
Open Qty: -618
Good Qty: 315
Scrap Qty: 313

Std Run Rate: 2.85714
Actual Run Rate: 0.07868
Variance: -97.25%
Labor Active?: True

M007380-1000

Order	Item	OPDSC	User	S	I
<input type="checkbox"/>	M005960-1000	1002- (Desktop, Model: DX4870-UB20P)	Inspect Components	System Administrator	R ! ✓
<input type="checkbox"/>	M006950-1800	2424- (24 X 24 FAB B/L=Y INSPECT=N)	Final Inspection	System Administrator	R !
<input checked="" type="checkbox"/>	M007380-1000	1002- (Desktop, Model: DX4870-UB20P)	Inspect Components	Multiple Users	R !
<input type="checkbox"/>	M006910-1000	2424- (24 X 24 FAB B/L=Y INSPECT=N)	Inspect Components		I !
<input type="checkbox"/>	Nest Test 1				I !
<input type="checkbox"/>	M006910-1800	2424- (24 X 24 FAB B/L=Y INSPECT=N)	Final Inspection		I !
<input type="checkbox"/>	M007380-1800	1002- (Desktop, Model: DX4870-UB20P)	Final Inspection		I !

1 row selected

1-7 of 50

Workcenter

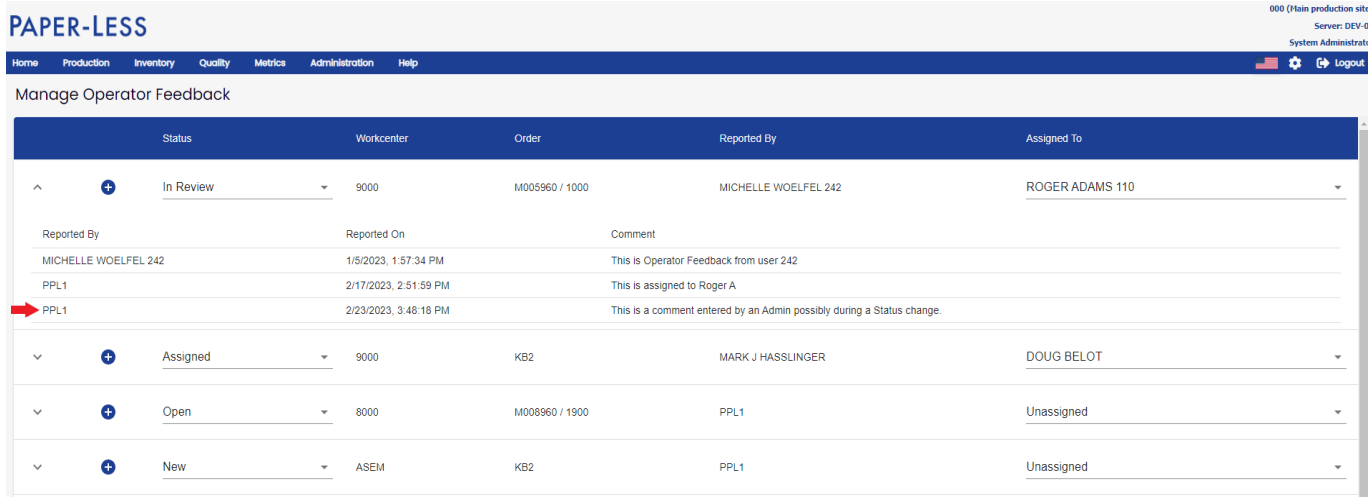
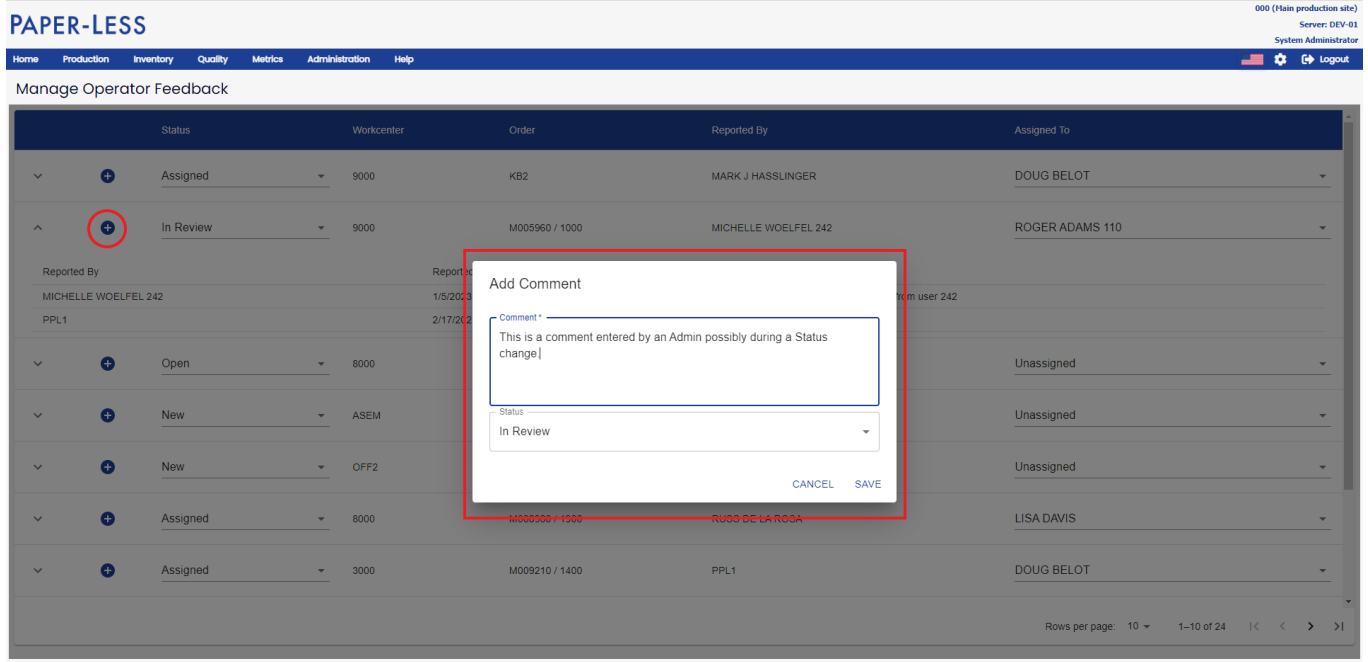
- Enhanced the Manage Operator Feedback module to allow an Admin to change the Status, and to Assign the entry to a person through the "Assign To" field.

Manage Operator Feedback

Status	Workcenter	Order	Reported By	Assigned To
Open	8000	M008960 / 1900	PPL1	Unassigned
New	ASEM	KB2	PPL1	Unassigned
Open	9000	KB2	MARK J HASSLINGER	Unassigned
Assigned	OFF2	M008390 / 1910	PPL1	Unassigned
Assigned	8000	M008960 / 1900	RUSS DE LA ROSA	LISA DAVIS
Open	9000	M005960 / 1000	MICHELLE WOELFEL 242	ROGER ADAMS 110
Assigned	3000	M009210 / 1400	PPL1	DOUG BELOT
New	8000	M006910 / 1900	PPL1	Unassigned
New	8000	M006910 / 1900	RICK REITH - 10	Unassigned

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- Enhanced the Manage Operator Feedback module to allow an Admin to add additional comments to an existing record from within this page.



- Enhanced the product with the addition of an API endpoint to Save updated Operator Feedback data to an existing record.
- Enhanced the upgrade process by automatically updating Active Users and User Roles to reflect users that are de-activated or deleted in ERP.
- To improve performance, a setting was added to control whether or not a network search is used to match an Operator Panel to an IP Address.

Browser tabs: Pull req., The D..., Fresh..., Web A..., Run D..., How to..., Paper-..., Pull req., Site C...

Address bar: localhost:MES_5_4/Pages/Portal/Admin/System/SystemAdministration.aspx?Node=NODE_ERP_CONFIGURATION

Page Title: PAPER-LESS

Page Info: 000 (Main production site) PPLHost Administrator

Navigation: Home Production Inventory Quality Metrics Administration Shop Activity Management Help Logout

System Administration

Actions

Content: Edit/View System Administrative Settings [Save] [Cancel]

Settings: ERP Configuration

- General
 - Email
 - Operator Panel Configuration
 - Operator Panels

Network Configuration [Close] [Refresh]

By default, a network search for an operator panel will be performed if an operator panel is not defined on a client. The search is done by either the IP address or host name. If there is a delay navigating from page to page and operator panels are not used, uncheck the Allow Network Search checkbox below.

Allow Network Search

[Save] [Cancel]

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DEFECTS/REPAIRS/BUG FIXES

- Fixed an issue in Mobile, Physical Inventory, where searching an Item and selecting one, was not automatically populating the Warehouse or Location fields with the selected information.
- Fixed an issue where a Data Error occurred when clicking Feedback in Touchscreen when no jobs are displayed.
- Fixed an issue where the error message "Not Approved" that occurs when a non-approved user tries logging in, was not properly localized.
- Fixed an issue where the column headings in the KPI Grids were not properly localized.
- Fixed an issue in several config pages in Application Admin, where the pager controls were extending off the right border of the page.
- Fixed an issue when configured for backflushing Issue Material, where during the Stop workflow in WIP, the Issue Material module was requiring a quantity to be entered even if zero pieces were recorded.
- Fixed an issue where the text of the name of Kanban Loops on the View Kanban Boards page, would gray and be difficult to see after the loop was clicked.
- Fixed an issue where a Data Error occurred when entering a value other than a whole number in the "# of Test Results to Display" field for Run Rate Display in a Variable Characteristic of a Control Plan.
- Fixed an issue where Active employees that were not yet Activated as a User, were available to have Roles assigned to them.
- Fixed an issue where a Data Error occurred or the page would not respond when PrintSpooler or WMI are unavailable.
- Fixed an issue in KPIs where changing the language away from English would cause the KPI Grid section to fail and display incorrectly.
- Fixed an issue when creating an Item Type Shop Packet, where selecting items and navigating to another tab within that Shop Packet, such as the Comment tab, would make the user have to re-select the items again.
- Fixed an issue where a Synchronization Status Error was displaying for entities that were not selected for the Full Sync performed.
- Fixed an issue where Remaining/Open Quantity on subsequent operations was not properly updating to reflect scrap from previous operations.
- Fixed an issue where the new WIP Grid was only displaying a maximum of 50 jobs in a workcenter.
- Fixed an issue where inventory whose stocking level reached zero, was no longer appearing in the Physical Inventory module, thereby not allowing a Physical Inventory transaction for the item and location.
- Refined the processing of corrected Manufacture Order records when the order date was initially missing, to ensure the order is not inadvertently deleted.
- When Enable MES Auto Clock-In is configured, fixed an issue where a logged-in user was being clocked-in if they started a crew, even if they were not being jobbed-on with the crew.
- Fixed an issue where Stop WAB was not working for Stop Crew on a Kanban Order.