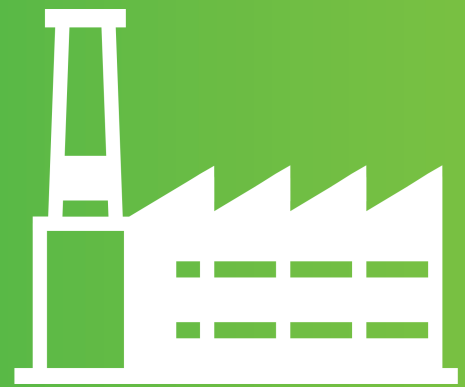


What's New in MOM 2020

SYSPRO 8 | Manufacturing Operations Management

Last Published: September 2020



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Overview

What an exciting and busy time we've had since the release of MOM 2019, which included features such as factory automation, extended loss management reporting and supervisory actions for better control over resources. It's rewarding to see these new features operational in the real world with more and more customers implementing automation in the factory.

We are very proud to deliver MOM 2020, which at the heart, focuses on user experience. Multi-national organizations will benefit from built-in language support for English, French, German, Portuguese, Spanish and Turkish. MOM can be switched to operate in a different language without the need to re-install the application. In addition, language preferences can be set by user.

To support the new multi-language options, we've included language based profiles. Previously, MOM only provided support for an English profile. Customers deploying MOM to other countries may import any one of the multi-language profiles. Profiles include default configuration data, such as default terminal templates, alerts, production issue codes, classification codes and scrap codes.

With our factory automation feature now in general availability, the team have received some positive feedback from the user base. As a result, further enhancements have been made to allow autonomous data capture from equipment without the need to start a job manually from the workbench. We've extended the available signal types and processor capabilities to include task start, task stop, and task status. Provided ability to collect quantity and scrap signals from multiple tags and perform multiple jobs on the same equipment. LYNQ 2020 is a must have release for those companies just getting started and those who have not yet begun their automation journey.

This document provides an explanation of the new and enhanced features in Manufacturing Operations Management (MOM) 2020.

MOM 2020 comprises of these minimum component build numbers:

Component	Version
LYNQ aps	11.1.0.0
LYNQ mom	5.1.0.0
LYNQ api	7.1.0.0

 **Note:** This release of MOM **does** require .Net Framework 4.8.

Document Updated 19 September 2020.

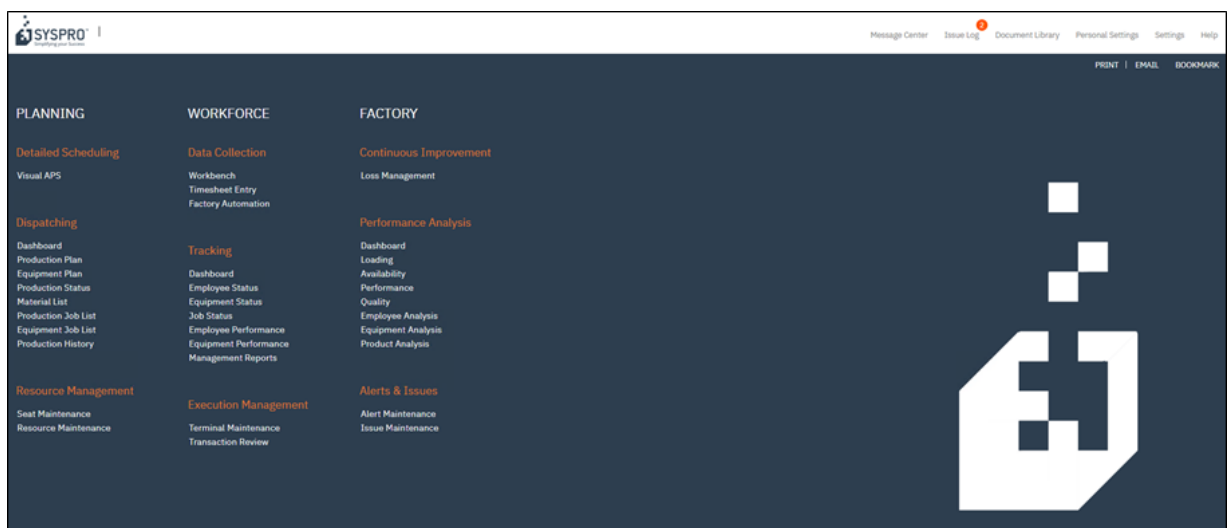
New Branded Version

Based on feedback received from the SYSPRO MOM community, a new theme and brand has been designed.

Where can I see the change?

Menu	Sub Menu	Ref No.
N/A	All Web pages	WEB-1913

New landing page & theme



Note: Rebranding is complete throughout the application.

New Multi Language Options

New language options for French, German, Portuguese, Spanish and Turkish are now available. All languages are aligned to the IEC 62264 International standard with the exception of the English SYSPRO language which aligns to the SYSPRO product.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Settings	WEB-1015
Personal Settings	Personal Settings	

System settings

HOME | PLANNING | WORKFORCE | FACTORY

Settings

SAVE RESTART

General Settings

Company name

Add ERP database name

Localization

Language

- English US
- English US
- Turkish
- French
- Spanish
- Portuguese
- German

Administrator(s)

Admin e-mail

Email Settings

From

Alias

Server

Port

Account

Password

Enable SSL

** test message will be sent*

Personal settings

HOME | PLANNING | WORKFORCE | FACTORY

Personal Settings - [sarah.kingswell] Sarah Kingswell

SAVE CLOSE

General

Language

- English SYSPRO
- English US
- Turkish
- French
- Spanish
- Portuguese
- German

Localization

Enable 'find as you type' filter

Developers mode

Messages and Alerts

Validity period, days

Production Schedule Filters

Open Only

APS Only

Loaded Only

Transactions

Labor Time

Good Quantity

Task Status

Scrap Quantity

Material Reject

Material Issue

Production Issue

Machine Time



Note: Restart Site: The site will need to be restarted when changing the language setting in system settings. However, it does not need restarting when making changes to personal settings.

New Multi Language Profiles

To support the new languages available in MOM 2020, language based profile options are now available. Supported languages include French, German, Portuguese, Spanish and Turkish.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings/Profiles	WEB-1015

Advanced profiles by language

The screenshot shows the 'Advanced Settings/Profiles' configuration page. On the left, under 'General Settings', the 'Language' dropdown menu is expanded, showing a list of language options: English SYSPRO, ID, English SYSPRO, English US, French, German, Portuguese, and Spanish. The 'Portuguese' option is highlighted with a red rectangular box. On the right, under 'Email Settings', there are fields for From, Alias, Server, Port, Account, and Password, along with an 'Enable SSL' checkbox and a 'Test Connection' button. A note at the bottom right states '* test message will be sent'.

Example of Portuguese Workbench

The screenshot displays the Portuguese Workbench interface. At the top left, there is a user profile for 'DAN FISHERMAN (CREW B)' with a timestamp of '29 Nov-11:52 PM - 05:40' and activity metrics for 'Direto Tempo de atividade - Produção MBCC / MBCC01' (100, 0, 0, 0). A 'HOME' button is visible on the right. Below the profile is a section titled 'Lista de trabalhos (+/- 3 dias)' containing a table with columns: Data de início, Atividade, Tarefa, Código de stock, Descrição, Operação, Descrição, Qtd. (planeada), Qtd (hoje), Sucata (hoje), Remanescente, Horas (hoje), and Equipamento. The table shows a single entry for 'Bicycle Assembly' on 7/3/2019. Below the table is a row of control buttons: Iniciar, Parar, Relatório, and Anexos. At the bottom, there is a grid of 18 terminal buttons for various production actions: Adicionar tarefas, Tarefas recentes, Digitalizar tarefas, Comunicar múltiplas, Mudar de equipa, Intervalo, Almoço, Reunião, Formação, Emissão de materiais, Falta de material, Rejeição de material, Problema de kit, Mensagens, Problema de produção, O meu tempo, Webhooks recentes, and Terminar dia. The 'Disponibilidade' gauge shows 100, 'Desempenho' shows 0, and 'Qualidade' shows 0.

Note: Profiles: Profiles include default configuration data. For example, terminal buttons are stored within the Profile.

New Transaction Management Right

A new right within **Seat Management** to allow full **Transaction Management** access has been added. **Users** without this right will now have view only access to **Transaction Review**, **Timesheet**, **Management Report/Adjustments** and **Production Issues**.

After upgrading to this version, all roles which were originally granted the **Transaction Review** right, will automatically be granted the new right.


Where can I see the change?

Menu	Sub Menu	Ref No.
Seat Maintenance	Rights	WEB-1874

New transaction management right

The screenshot shows the 'Seat Maintenance' interface with the 'RIGHTS' tab selected. Below the tabs, there are 'EDIT' and 'DELETE' buttons. A table lists various functional areas and their functionalities. The 'Transaction Management' row is highlighted with a red border, indicating the new right.

Functional area	Functionality
Workforce	Employee Performance
Workforce	Employee Status
Workforce	Employee Status Details
Workforce	Equipment Performance
Workforce	Equipment Status
Workforce	Equipment Status Details
Workforce	Factory Automation
Workforce	Job Card
Workforce	Management Reports
Workforce	Order Status
Workforce	Sub Jobs Hierarchy
Workforce	Terminal Maintenance
Workforce	Timesheet Entry
Workforce	Transaction Management
Workforce	Transaction Review

 **Note: Permissions:** Additional transaction permissions can be set in **Advanced Settings > Permissions**.

Improved Equipment Plan

A new field **Busy Hrs** (Calculation of planned productive hours + planned direct downtime) has been added to the Equipment Plan List view and Equipment Loading Details view.

Where can I see the change?

Menu	Sub Menu	Ref No.
Dispatching	Equipment Plan	WEB-1873
Performance Analysis	Loading	

New busy (Hrs) field

HOME | PLANNING | WORKFORCE | FACTORY

Grid Settings [Equipment Loading]

SAVE CLOSE

Webhooks

<input type="checkbox"/>	Sequence	Sort	Field Type	Field Name
<input checked="" type="checkbox"/>	5	None	Local	Busy (Hrs)
<input checked="" type="checkbox"/>	10	None	Equipment	Equipment
<input checked="" type="checkbox"/>	30	None	Local	Calendar (Hrs)
<input checked="" type="checkbox"/>	40	None	Local	Operating (Hrs)
<input checked="" type="checkbox"/>	50	None	Local	Productive (Hrs)
<input checked="" type="checkbox"/>	60	None	Local	Downtime (Direct)



Note: Customize: Use the customize option to add the new field to the list view.

Improved Job Card

For a better user experience, new options have been added to the attachment section of the **Job Card Summary** screen. Users can add file, add form and add links to jobs directly in the Document Library.

Where can I see the change?

Menu	Sub Menu	Ref No.
Tracking	Job Status / Job Card	WEB-2004

New options for adding attachments

Attachments

ADD FILE ADD FORM ADD LINK EDIT DELETE EXPORT FILTERS

ADD FILE TO JOB
ADD FILE TO STOCKCODE
ADD FILE TO CUSTOMER

Description	Details	Attached by	Modified
-------------	---------	-------------	----------

There is no data to display

Improved Equipment & Employee Lookup


For a better user experience, the equipment/employee lookup has been updated to only show relevant active/inactive records, based on the purpose of the screen.

Where can I see the change?

Menu	Sub Menu	Ref No.
All	Various screens updated	WEB-1947

Updated screens with employee or equipment lookups

Menu	Sub Menu	Active/Inactive
Resource Management	Resource Maintenance	Active Only
Dispatching	Dashboard	Active Only
	Production Plan	Active Only
	Equipment Plan	Active Only
	Material List	Active Only
	Production Job List	Active Only
	Equipment Job List	Active Only
Data Collection	Timesheet Entry	Active Only
Tracking	Dashboard	Active Only
	Employee Status	Active Only
	Equipment Status	Active Only
	Employee Performance	Active Only
	Equipment Performance	Active Only
	Management Reports	Active Only
Execution Management	Terminal Maintenance	Active Only
Alerts & Issues	Alert Maintenance	Active Only

 **Note: Other Reports:** Dashboards & Reports found in **Continuous Improvements** and **Performance Analysis** are not affected by this change. Lookups in these areas will show whether the resource is active or inactive.

Improved Report Single Function

The **Report Single Function** has been improved to enable the option to use **Webhook Form Submissions**.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Report Single	WEB-1835

Report single on-screen element settings



Note: What are Webhooks?: Webhooks allow parameterized query strings that are passed to any web based application where there is a common form of data. They are designed to be flexible and you need an understanding of the use of parameters in MOM as well as the third party application. You need knowledge on both to configure this feature.

New Workbench Notification Function

A new notification function has been added to present additional information on the workbench. The function can be triggered before or after execution of other functions. The new notification function can be added to new or existing on-screen elements.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Functions	WEB-1887

New workbench notification function

The screenshot displays the 'Edit On-Screen Element' interface. On the left, the 'General' tab is selected, showing configuration fields for the function: Active? (checked), ID (214), Sequence (10), Code (Workbench Notification), Description (Workbench Notification), Apply to (Employee & Equipment), and Control access. On the right, a secondary window titled 'Workbench Notification' is open, showing the notification's content: Header text (New Notification), Header text color (#FF6100), Notification text (This is a new notification to the workbench user.), Notification text color (#000000), Dialog timeout (10), and Play sound (checked). Below the configuration windows, a table lists the functions:

Sequence	Name	Description
10	Button	Show button
20	Workbench Notification	Workbench Notification

New workbench notification visualization

The screenshot shows a workbench notification visualization. The notification is titled 'Workbench Notification' and 'New Notification' in orange text. The body text reads 'This is a new notification to the workbench user.' and there is an 'OK (9)' button. The notification is overlaid on a workbench screen showing a job list and various function buttons like 'Add Tasks', 'Recent Tasks', 'Barcode(s) Entry', 'Report Multiple', 'Change Crew', 'Break', 'Training', 'Material Issue', 'Material Shortage', 'Material Reject', 'Kit Issue', 'Messages', and 'Production Issue'.

Note: Settings: The workbench notification function includes settings for custom header text, custom body text, custom text colors, default timeout in seconds and a default sound to play. Settings are defined from the on-screen elements window, after the function has been added.

New Alerts & Issues Function

A new **Alerts & Issues Function** has been added, providing users ability to immediately generate a pre-defined email, message, alert and/or production issue from the workbench. The function can be triggered before or after execution of other functions. The new function can be added to new or existing on-screen elements.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Functions	WEB-1887

New alerts & issues function

[HOME](#) | [PLANNING](#) | [WORKFORCE](#) | [FACTORY](#)

Edit On-Screen Element

SAVE CLOSE

General

Active?

ID

Sequence

Code

Description

Apply to

Control access ...

FUNCTIONS STATUSES TERMINALS

New		Sequence	Name	Description	Size
Edit Delete	<input type="button" value="Settings"/>	10	Button	Show button	2/1
Edit Delete	<input style="border: 2px solid orange;" type="button" value="Settings"/>	20	Alerts & Issues	Alerts & Issues	Full Size

Alerts & issues settings

Alerts & Issues

SAVE

CLOSE

General

Send message	<input checked="" type="checkbox"/>	
Send alert	<input checked="" type="checkbox"/>	
Send email	<input checked="" type="checkbox"/>	<input type="text" value="external@recipient.com"/>
Create production issue	<input checked="" type="checkbox"/>	<input type="text" value="Breakdowns"/> <input type="button" value="..."/>


Message template

Shortcuts - Add the [letter] below within your message to add automated text

[a] - Employee name; [b] - Equipment name; [c] - Status; [d] - Crew; [e] - Terminal name; [f] - OSE name



Employee [a] has reported a breakdown with Equipment [b], please can you send someone to fix the equipment at your earliest convenience.

-  **Note: Settings:** The alerts & issues function provides the ability to define a notification message template (rich text format) with options to include the context (i.e. employee resource, status, name of on-screen element) that triggered the function. Settings are defined from the on-screen elements window.

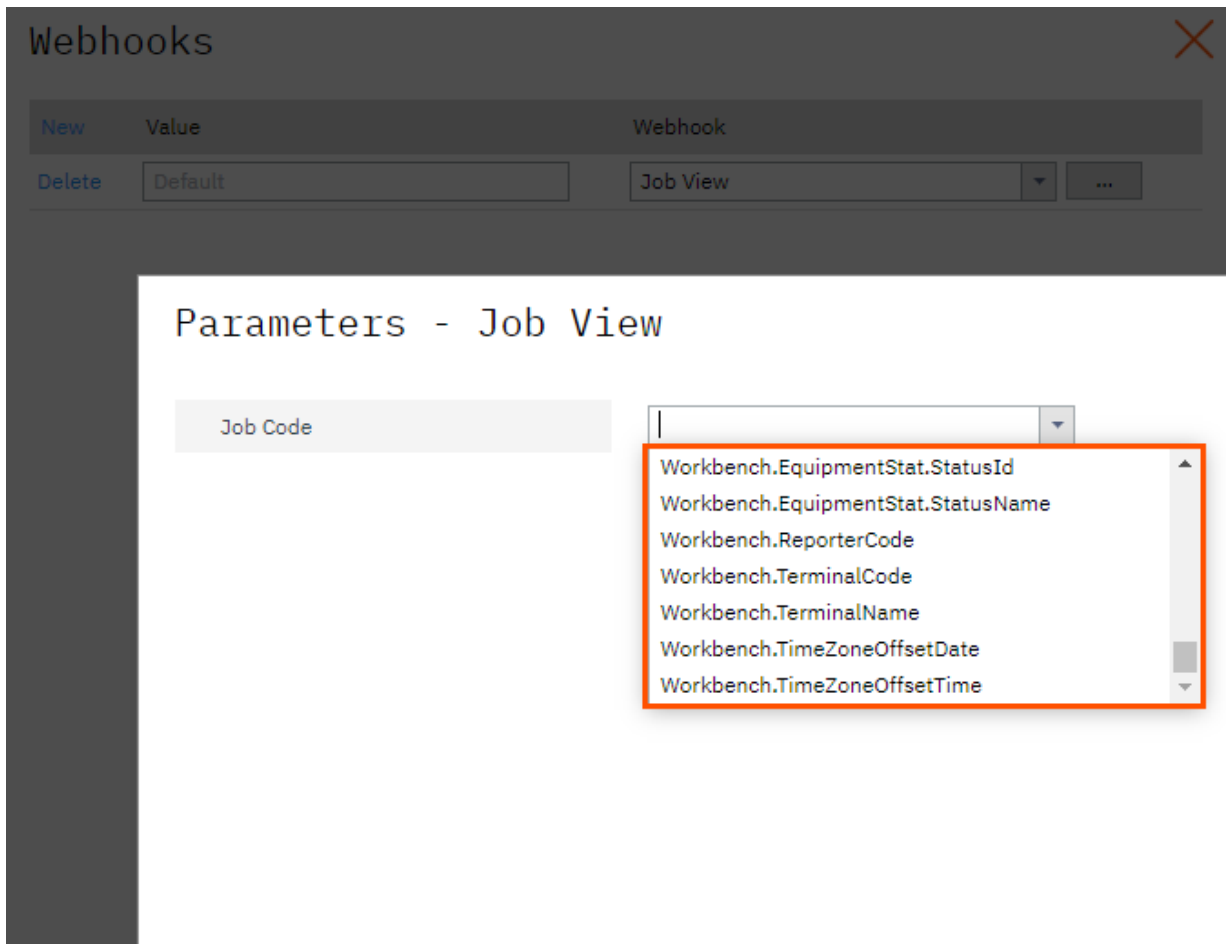
Improved Webhook Parameters

Enhancements have been made to Webhooks to include additional parameters relating to workbench, employee status, equipment status and server parameters.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Controls and Reporting Options Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Controls and Reporting Options	WEB-1769

Extended webhook parameters



 **Note:** For more information refer to the Webhook document on the SYSPRO Help Site.

Improved Transaction Review

The **Transaction Review** screen has been improved with a new copy function for troubleshooting purposes.

Where can I see the change?

Menu	Sub Menu	Ref No.
Execution Management	Transaction Review	WEB-1859

Improved edit transaction screen

HOME
PLANNING
WORKFORCE
FACTORY

Edit Transaction

SAVE
CLOSE

General

Trx Date: 11/28/2019

Employee: 102

Membership:

Task: MF-AUTO1.1.Set

Equipment: MBFA / MBFA02

Labor (Hrs): 0.0015361104

Classification Value:

Comments: [Click to add](#)

Param 1:

Param 2:

Param 3:

Param 4:

Param 5:

Param 6:

Param 7:

Param 8:

Param 9:

Param 10:

ID: c51bb725-47c7-4a9b-ac36-t Copy

Additional:

Excluded Submitted Approved

Posting Message

Note: Troubleshooting: The **Transaction ID** can be quickly copied into SQL queries where required.

Improved Barcode Scanning Options

Enhancements have been made to the **Barcode Scanning** options to include add/remove/replace functionality and new validation rule options when scanning jobs by barcode.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Barcode Task Entry > Barcode Selection > Scan Options Advanced Settings > Workbench > Elements > Barcode Task Entry > Barcode Selection > Show/hide Operations	WEB-1830

Improved scan options

Scan Options

Options

- Remove from start
- Remove from end
- Remove start length
- Remove end length
- Start length
- End length
- Replace value
- Replace with value
- Add to start
- Add to end
- Change register
- Use case sensitive

Check options

Test scan options

Please specify text to test

Scan options result



New show/hide operations

HOME | PLANNING | WORKFORCE | FACTORY

Barcode Selection

SAVE CLOSE

General

- Auto-start first scan
- Allow comments to be added
- Use classification codes
- Split time by employee
- Split time by machine
- Scan options
- Show/hide operations

Triggered Activity

- Trigger employee activity
- Trigger equipment activity



Note: Try Button: Use the **Try Button** to test the **Scan Options** are configured correctly. The Scan options appear for any on screen element that includes the **Barcode Selection Function**.

Improved Scrap Reporting Options

Scrap reporting has been enhanced to allow scrap quantity to be deducted from previously reported good quantity.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Reporting Options Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Reporting Options	WEB-1821

Improved reporting options

Reporting Options

The screenshot shows the 'Reporting Options' configuration window with several sections:

- General:** Provide option to add comments, Report non-productive, Show webhook button, Form submission webhooks, Track performance abnormality, Use validation.
- Good Quantity:** Show quantity field, Default values based on (Empty), Use extended details (Quantity), Show details on same page, Use validation.
- Scrap Quantity:** Show scrap field, Use extended details (Scrap Entry Details), Show details on same page, **Deduct scrap from good quantity** (checked), Use validation.
- Status:** Show status field, Default status (No change), Status can be edited, Auto complete when no quantity, Auto stop when complete, Use validation.
- Material Reject:** Enable material reject, Use extended details (Material Reject Det), Columns settings, Use validation.
- Material Issue:** Enable material issue (Manual), Default backflush method (Approve Backflush), Use extended details (Material Issue Deta), Allow over issue, Columns settings, Use validation.

An orange 'OK' button is visible at the bottom right.

New deduct from quantity information field

Details:

Start Date	8/31/2018 12:00 AM
Activity	Run
Job	MF-321-TOOL
Stock Code	B100
Description	Bicycle
Operation	1
Description	Bicycle Assembly
Qty (Planned)	4.00
Qty (Today)	2.00
Scrap (Today)	0.00
Remaining	2.00
Hrs (Today)	0.78
Equipment	MBFA / MBFA01

Report:

Quantity: 0

Comments:

Scrap: 1

Scrap Reason: Scrap + Scrap

Comments:

-1 Deduct from Quantity

Equipment: MBFA / MBFA01

Status: No change



Note: Validation Rules: Use in combination with the validation rule that prevents or warns if total reported falls below zero.

Improved Workbench Validation Rules

New validation rules have been added for quantity, scrap, and material issues to warn/prevent total reported going below zero.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Reporting Options > Use Validation	WEB-1876

New validation rule - Quantity exceeds total quantity reported

Validation Rules ✕

Prevent	Quantity exceeds total quantity reported by	0.00	Percent
Warn	Serial/lot has not been provided as required		
Warn	Bin number has not been provided as required		
Warn	Traceability code has not been provided as required		
Warn	Location has not been provided as required		
Warn	Warehouse has not been provided as required		

OK



Note: Separate Rules: Separate rules can exist for quantity, scrap and material issues.

New Validation Rule Exceeds Quantity Reported In Previous Operation

A new validation setting has been added to prevent users reporting operational quantity where the value exceeds the value reported in the previous Operation. (Run Time Task).

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Report Single > Functions > Report Single Settings > Use Validation Advanced Settings > Workbench > Elements > Report Multiple > Functions > Report Multiple Settings > Use Validation	WEB-1876

Reporting Options

General

Provide option to add comments

Report non-productive

Show webhook button ...

Form submission webhooks ...

Track performance abnormality ...

Use validation ...

Status

Show status field

Default status

Status can be edited

Auto complete when no quantity

Auto stop when complete

Use validation

Good Quantity

Show quantity field

Default values based on ...

Use extended details Operational Quantit ...

Scrap Qua

Show scri ...

Use exten ...

Show deta ...

Validation Rules

Warn	Remaining quantity exceeded by	10.00	Percent
Warn	Exceeds quantity reported in the previous operation by	0.00	Percent

OK

Columns settings ...

Use validation ...

Use exten ...

Allow over ...

Columns s ...

Use valida ...



Note: Default Setting: By default, this setting is disabled, and users should change the setting from 0 to enable this feature to work.

Improved Web Config Security

For added security, passwords within the web configuration files are now encrypted.

Where can I see the change?

Menu	Sub Menu	Ref No.
N/A	Website Folder\Site\web.config	WEB-1894

New Encrypted Web Configuration File

```
web.config - Notepad
File Edit Format View Help
<configSections>
  <sectionGroup name="devExpress">
    <section name="settings" type="DevExpress.Web.SettingsConfigurationSection,
DevExpress.Web.v15.1, Version=15.1.6.0, Culture=neutral, PublicKeyToken=b88d1754d700e49a"
requirePermission="false" />
    <section name="compression" type="DevExpress.Web.CompressionConfigurationSection,
DevExpress.Web.v15.1, Version=15.1.6.0, Culture=neutral, PublicKeyToken=b88d1754d700e49a"
requirePermission="false" />
    <section name="themes" type="DevExpress.Web.ThemesConfigurationSection, DevExpress.Web.v15.1,
Version=15.1.6.0, Culture=neutral, PublicKeyToken=b88d1754d700e49a" requirePermission="false" />
    <section name="errors" type="DevExpress.Web.ErrorsConfigurationSection, DevExpress.Web.v15.1,
Version=15.1.6.0, Culture=neutral, PublicKeyToken=b88d1754d700e49a" requirePermission="false" />
  </sectionGroup>
</configSections>
<connectionStrings configProtectionProvider="RsaProtectedConfigurationProvider">
  <EncryptedData Type="http://www.w3.org/2001/04/xmlenc#Element"
xmlns="http://www.w3.org/2001/04/xmlenc#">
  <EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#aes256-cbc" />
  <KeyInfo xmlns="http://www.w3.org/2000/09/xmldsig#">
    <EncryptedKey xmlns="http://www.w3.org/2001/04/xmlenc#">
      <EncryptionMethod Algorithm="http://www.w3.org/2001/04/xmlenc#rsa-1_5" />
      <KeyInfo xmlns="http://www.w3.org/2000/09/xmldsig#">
        <KeyName>Rsa Key</KeyName>
      </KeyInfo>
    </EncryptedKey>
    <CipherData>
      <CipherValue>qtz/fTjk1ApI/5/yvvD0MDKnQot8w7RfXCe/zMEMXJZq063WJ3oiVZY2nbtEYJcW/1n9Gq8tDRmRrYEw/HXuDAFi
p0wQY4Dgr1GGqWwTY2QymFJdSLYtZx3WqGgnSbixhTWQ7PhUEA0P4C/0xmniYufsgFMVS8JsyTF41ALAYQcFdQq0dymnPy1KNHT/c
/ep7pDST2YJwLXn3S04sTbZV81945G7X5GbT8sprvb8C6VopVQMT8yko5q20iT0LXvUCDJ850gPjJkfqHj6IERbqDskkn/uDnMt6
/B/4pQqUE40uQfupT6KDjH3Wka9msyigaaBkXd1+GFTGJ3Q8y4/Q==</CipherValue>
    </CipherData>
  </EncryptedKey>
</KeyInfo>
</CipherData>
```

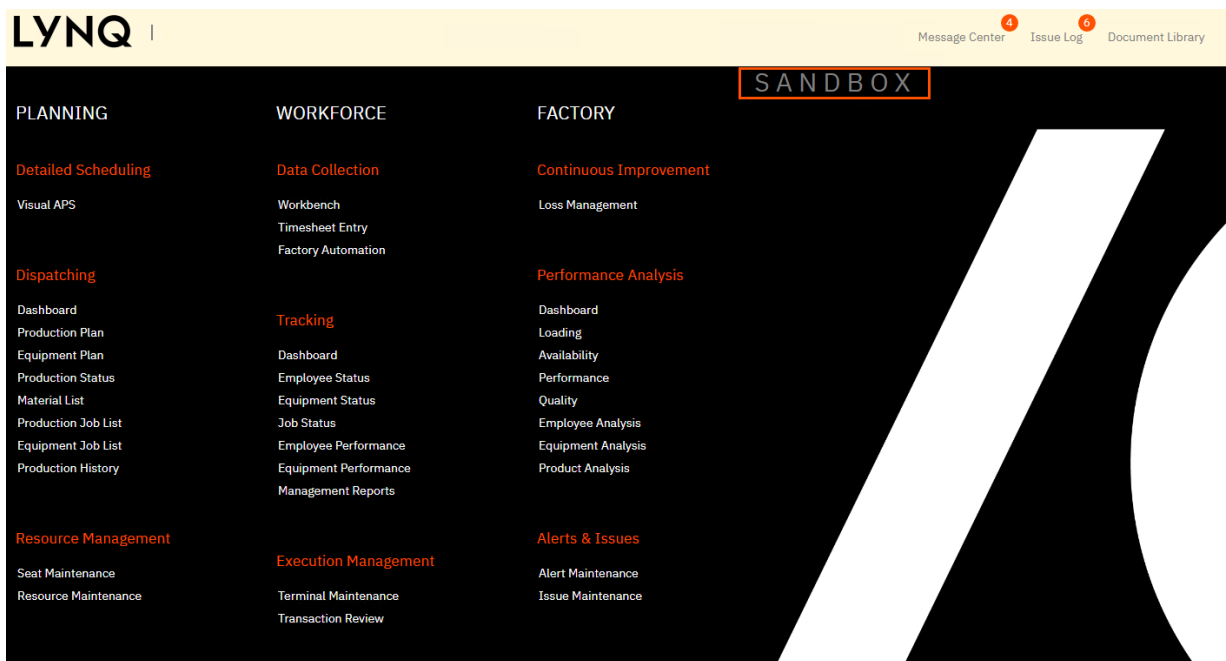
New Sandbox Theme


An environment type question has been added to the product updater to determine whether an instance of MOM is Production or Sandbox. For a better user experience, a new theme is automatically applied to the Sandbox environment, allowing users to quickly distinguish the type of environment they are logged into.

Where can I see the change?

Menu	Sub Menu	Ref No.
Product Updater	New Environment Question	WEB-2009
MOM	All areas	

New sandbox theme






DAN FISHERMAN(CREW B)
 [04 Feb-10:42 AM] - 00:10
 Production, Setup
 MBCC / MBCC01

48
Availability




0
Performance


0
Quality


0
OLE





Job list (+/- 3 days)


Start Date	Activity	Job	Stock Code	Description	Operation	Description
 (1)	10/14/2019 12:00 AM	Setup	YK1	B100	Bicycle	1 Bicyc
 (1) 	10/15/2019 12:00 AM	Run	YK11	B100	Bicycle	1 Bicyc

 Start


 Stop


 Report


 Attachments



 Add Tasks


Workbench Notification



 Recent Tasks



 Barcode(s) Entry



 Report Multiple



 Training


 Material Issue


 Material Shortage


 Material Reject


 Kit Issue

 **Note: Environment Type:** The environment type can only be changed by running the repair option from the Product Updater.

New Date Only Fields Added to APS

For users that only want to see the scheduled start and due fields without the time values, new date only columns (scheduled start date/scheduled due date) have been added to APS.

Where can I see the change?

Menu	Sub Menu	Ref No.
Dispatching	Visual APS > Edit Columns	APS-662

New Date Only Columns

The screenshot shows the 'Edit Columns' dialog box. On the left, there are expandable sections for 'Job' and 'Item'. On the right, there is a search section with 'Search Forward' checked, a search box containing 'scheduled start', 'Enable search indexes' checked, and 'Select all' unchecked. Below this is a list of columns with checkboxes and dropdown menus. The columns are:

- Late/Early (Hrs) 32
- Late/Early (%) 33
- Scheduled Start Date 34
- Schedule Due Date 35
- Publish State 36
- Publish Message 37
- Scheduled by User 38
- Scheduled by SQL User 39
- Publish Method 40
- Publish Parameter 41
- Publish Stamp 42
- Edited 43

The 'Scheduled Start Date' and 'Schedule Due Date' rows are highlighted with a red box. At the bottom left, there is a checkbox for 'Show Original Field Names'. At the bottom right, there are 'Ok' and 'Cancel' buttons.

 **Note: Header/Line:** These fields are available in the Job Header and Job Line Grid Views.

New Document Library Access from APS

For a better user experience, users are able to access the Document Library from APS to attach files, forms and links to Jobs. Therefore allowing planners to add attachments for visibility on the shop floor. In this release, there is no visual indication that a job has an attachment in the Document Library. The native file attachment feature will be deprecated in future releases. Users should plan to migrate to the Document Library over the coming months.

Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ aps	Task Panel	APS-707
LYNQ aps	Manage Toolbar	

New Document Library Menu Item


The screenshot shows the 'Job Orders -127' interface. At the top, there is a header with columns: On Hold, Materials?, Operations?, Scheduled?, Pinned?, Marker, Job Class, Job, Status, Planner, Warehouse. Below this is a list of job orders. A context menu is open over one of the jobs, listing various actions such as 'Autoschedule', 'Schedule Around', 'Unschedule Selected', 'Edit Job Order', 'Load Required Work Units', 'Unload All Work Units', 'Highlight Object', 'Show Details', 'Job Status', 'Markers', and 'Documents Library'. The 'Documents Library' option is highlighted with a yellow border. At the bottom of the interface, there is a 'Schedule' section with a calendar view for 'Week 6' and 'Week 7'.

Note: Greyed Out: The Document Library menu will be unavailable, if the MOM integration settings are not configured in Company Settings.

New Support for SYSPRO Part Billings

The Job Receipt function has been improved to allow integration for **SYSPRO Part Billings** for the manufacture of Non-Stocked Items.

Default values for Part Billings are set within LYNQ api.

 **Note:** MOM does not support default settings per user. The Job Receipt function happens when a quantity is posted from MOM to SYSPRO for the final operation. If Part Billings is enabled in LYNQ api and the Job is linked to a Sales Order, the Sales Order is updated as per the settings in LYNQ api.

Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ api	API Settings > Part Billings Settings	WEB-1658

New Part Billings Settings

Part Billings Settings

Source of the WIP value	<input type="text" value="Outstanding WIP"/>
LedgerCode	<input type="text"/>
Default order status	<input type="text" value="Released backorder"/>
Increase sales order quantity	<input type="checkbox"/>

New Job Closure on Report of Status

A new setting to allow a job closure when reporting a status transaction on the final operation has been included. This setting allows users to close a job when the full manufactured quantity has not been reported from MOM. In earlier releases, job closure could only be performed from SYSPRO.


Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ api	API Settings > Status Settings	WEB-1658

New Status Setting

Status Settings

- Post Status to final activity only
- Re-open Completed Operations
- Job Closure on final operation

 **Note: Close Job:** This setting allows jobs to be closed when the job is not fully reported. Job closure happens when a status complete transaction is posted to SYSPRO for the final operation.

Improved Help Menus

The **Help Menus** have been improved to include options for accessing guides and white papers and a glossary.

Where can I see the change?

Menu	Sub Menu	Web Ref.
MOM	Help	WEB-1837
APS	Help	

Improved help menu

Help with LYNQ

Get help with this screen

Online Help

Customer service and support

Guides & Whitepapers

Useful learning materials

Glossary

Definition of terminology

Release Notes

New functionality and bug fixes

Start-up Configuration

Set initial configuration

LYNQ

Product Activated

Customer:

License ID: 1912

Expiration Date: 14 January 2021

[Change Product License](#)

[Check For Customization](#)

About

Release: 2020 R1

Build: 4.2.0.0

[Check For Updates](#)

[Terms and Conditions](#)

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Improved Decimal Settings for Qty & Time

A new setting has been introduced to specify a different number of decimals for time and quantity transactions. These settings are used when integrating to SYSPRO.

Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ api	API Settings	SLQ-184

New General Settings

General

Cut Off interval	<input checked="" type="checkbox"/> 30
Non stock product class	
Default UOM	Stocking
No. of decimals for quantity	2
No. of decimals for time	3
Add transaction ID to Reference	<input checked="" type="checkbox"/>
Diagnostic info	Legend

 **Note: Previous Releases:** In previous releases, quantity and time used the same number of decimals.

New Time Duration Edit Mode Setting

New global and personal settings have been introduced to determine the format for entering timesheet entries or editing transactions in the Transaction Review screen. These settings also apply to the creation of Production Issues.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > General	WEB-1904
Settings	Personal Settings	
Data Collection	Timesheet	
Execution Management	Transaction Review	

New global setting in advanced settings

The screenshot shows the 'General' settings section. The 'Time duration edit mode' dropdown menu is open, displaying the following options: Combined (highlighted in blue), Decimal, HHMM, and Combined. The 'Enabled' dropdown for 'Enable 'Find as you type' filter' is also visible.

New personal setting

The screenshot shows the 'Personal Settings' page for Sarah Kingswell. The 'Time duration edit mode' dropdown menu is highlighted in orange, showing the 'Default' option. The page also displays 'General' settings (Language: English US, Localization: English, Enable 'find as you type' filter: Default, Developers mode: unchecked) and 'Transactions' settings (Labor Time, Good Quantity, Task Status, Scrap Quantity, Material Reject: all checked).

Improved transaction edit screen

Edit Transaction

SAVE CLOSE


General

Trx Date	1/2/2020	
Employee	102	...
Membership		...
Task	YK7.1.Run	...
Equipment	MBCC / MBCC01	...
Labor (Hrs)	2.1878730576	
	2:11:16.343007	
Classification Value		...
Comments	Click to add	
Additional	<input type="checkbox"/>	

Excluded Submitted Approved

```
graph LR; Excluded((X)) --- Submitted((−)); Submitted --- Approved((✓)); Submitted --- NotPosted[Not posted];
```

Posting Message

 **Note: Combined Mode:** When set to combined, the transaction review edit screen and the Production Issue screen displays labor in both decimal and HH:MM. The timesheet will default to decimal if combined is selected.

Improved Designer With Column Names

A new custom column name has been introduced to the designer feature. This enables users to customize the column names in the workbench and grid views without the need for a customized language file.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Designer > Column Properties	WEB-1875

New column name field

HOME | PLANNING | WORKFORCE | FACTORY

Column Properties [Identification - Employee]

SAVE CLEAR ALL CLOSE

Field Name	Custom Name	Width	Width(Workbench)
Employee	<input type="text"/>	<input type="text" value="120"/>	<input type="text" value="120"/>
First name	<input type="text"/>	<input type="text" value="100"/>	<input type="text" value="100"/>
Last name	<input type="text"/>	<input type="text" value="100"/>	<input type="text" value="100"/>
Middle name	<input type="text"/>	<input type="text" value="100"/>	<input type="text" value="100"/>
Crew	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Date1	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>



Note: Different Data Sets: Column name properties can be set for different data sets. Additionally column widths can be adjusted.

Improved System Insights Views Tab

A new reference tab has been added to the views tab to show which SYSPRO fields are read by MOM in the MOM SQL Views. Ordered by component and view name, the details on this screen reference the source definition data read by MOM.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	System Insights > Views > Reference	WEB-2006

New reference tab

HOME | PLANNING | WORKFORCE | FACTORY

System Insights

DASHBOARD
VIEWS
TABLES
LOGS
EVENTS
AUTOMATION

VIEWS
REFERENCE

Drag a column header here to group by that column

LYNQ_view	ERP_table	ERP_field	ERP_field_type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lynq_ME_CapturedBOMView	InvMaster	PartCategory	char (1)
Lynq_ME_CapturedBOMView	InvMaster	SerialMethod	char (1)
Lynq_ME_CapturedBOMView	InvMaster	StockCode	varchar (30)
Lynq_ME_CapturedBOMView	InvMaster	TraceableType	char (1)
Lynq_ME_CapturedBOMView	InvWhControl	UseMultipleBins	char (1)
Lynq_ME_CapturedBOMView	InvWhControl	Warehouse	varchar (10)
Lynq_ME_CapturedBOMView	WipJobAllMat	BulkIssueItem	char (1)



Note: Export to Excel: Records on this screen can be exported to Excel for further analysis. For data accuracy purposes, ERP fields should be regularly maintained in SYSPRO.

Discontinued Sign in as a Different User

Due to browser compatibility issues, the options to **Sign in as a Different User** and **Sign Out** have been discontinued.

Where can I see the change?

Menu	Sub Menu	Ref No.
Personal Settings	Sign in as a Different User	WEB-1968
Sign Out		

Updated personal settings menu



Personal Settings

Setup your personal settings

Request Access

Email the site administrator to request additional permissions.



Note: Run as a different user: You can still logon as a different user by using shift + right click on the browser shortcut and selecting the option to run as a different user.

Improved Timesheet Entry

Based on user feedback a new date range option has been added to Timesheet Entry.

Where can I see the change?

Menu	Sub Menu	Ref No.
Data Collection	Timesheet Entry	WEB-2328

Updated Timesheet Entry Screen

HOME | PLANNING | WORKFORCE | FACTORY

Timesheet Entry

SAVE
CLOSE
TRANSACTION REVIEW

Default

Date	9/7/2020 ▾	9/11/2020 ▾	
Approval Status	Submitted ▾		
Employee	Dan Fisherman ...		
Task	NR2.1.Run ...		
Equipment	<input type="text"/> ...		

Labor Time	
Quantity	
Scrap	
Equipment Time	
Completion Status	

	+	-	Date	Employee	...	Task	...	Equipment	...
1		▾	9/7/2020 ▾	Dan Fisherman	...	NR2.1.Run	...	<input type="text"/>	...
2		▾	9/8/2020 ▾	Dan Fisherman	...	NR2.1.Run	...	<input type="text"/>	...
3		▾	9/9/2020 ▾	Dan Fisherman	...	NR2.1.Run	...	<input type="text"/>	...
4		▾	9/10/2020 ▾	Dan Fisherman	...	NR2.1.Run	...	<input type="text"/>	...
5		▾	9/11/2020 ▾	Dan Fisherman	...	NR2.1.Run	...	<input type="text"/>	...

Note: Improved UX: Quick creation of timesheet entries of the same value for multiple days in one mouse click.

Improved Status Change Function

Based on user feedback the status change function has been improved to allow the configuration of more than one target status. When multiple target status codes are configured and the function is associated with a button on the Workbench, the user will be prompted to select which target status to change to.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Onscreen Elements	WEB-2333
Data Collection	Workbench	

Updated Status Change Function Settings


HOME | PLANNING | WORKFORCE | FACTORY

Status Change

SAVE CLOSE

General

Remain in current status	<input type="radio"/>
Back to previous status	<input type="radio"/>
Target status	<input checked="" type="radio"/> Break ; Lunch; Project; Meet ...
Reset accounting date	<input type="checkbox"/>
Record clocked in (payroll)	<input type="checkbox"/>
Record clocked out (payroll)	<input type="checkbox"/>
Apply status change to whole crew	<input checked="" type="checkbox"/>
Apply minimum rest time (see status)	None ▾

 **Note: Improved UX:** This improvement removes the need to have separate buttons on the workbench per target status.

New Transaction Generation Interval

A new setting has been added to determine the frequency for generating transactions. This setting applies to:

- Activity performed via the workbench feature
- Data captured via the factory automation feature
- Data generated via the REST API feature

In previous versions of MOM, transactions are created every 1 to 2 minutes and the user has no ability to increase or decrease the interval setting.

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > General > Transaction generation interval (sec)	WEB-2257

New Transaction Generation Interval Setting

HOME | PLANNING | WORKFORCE | FACTORY

Advanced Settings

WORKBENCH | ACTIONS | AUTOMATION | DESIGNER | ANALYTICS | DEFINITIONS | TIMESHEET | PERMISSIONS | RULES | **GENERAL**

SAVE CANCEL

General

Maintenance Mode

Enable 'Find as you type' filter

Time duration edit mode

Split equipment by primary type

Send application telemetry

Financial Loss

Labor rate

Employee revenue rate

Overhead rate

Equipment revenue rate

Financial loss currency

Data Collection

Employee status (default)

Equipment status (default)

Clock out warning after (hrs)

Terminal timeout after (secs)

Clocked time (default)

Data selector (default)

Report quantity (maximum)

Report scrap (maximum)

Enable automation

Automation polling interval (sec)

Data buffer interval (sec)

Transaction generation interval (sec)



Note:

- When the **Transaction Generation Interval (sec)** is set to 0, transaction generation is disabled. Set from a value of 1 to generate transactions.
- **Chunk Size:** A new chunk size setting has been added to allow the user to determine the maximum number of transactions that can be generated at one time

New Data Retention Settings Section

The purging options in **System Insights** are now located in **Advanced Settings > General**.

- **Default Retention History**

the number of days to retain raw data for.



Note: raw data is not required once the corresponding transaction has been generated in Transaction Review. Only raw data with a corresponding transaction is eligible for purging

- **Tag Retention History**

the number of days to retain tag data for.



Note: Tag data is used by factory automation and is not required once the corresponding transaction has been generated in **Transaction Review**.

It is recommended to enable these settings.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > General > Data Retention	WEB-2257


New Data Retention Section

HOME | PLANNING | WORKFORCE | FACTORY

Advanced Settings

WORKBENCH	ACTIONS	AUTOMATION	DESIGNER	ANALYTICS	DEFINITIONS	TIMESHEET	PERMISSIONS	RULES	GENERAL
SAVE		CANCEL							

General	<input type="checkbox"/>		
Maintenance Mode	<input type="checkbox"/>		
Enable 'Find as you type' filter	Enabled		
Time duration edit mode	Combined		
Split equipment by primary type	<input type="checkbox"/>		
Send application telemetry	<input type="checkbox"/>		
Financial Loss			
Labor rate	25.00		
Employee revenue rate	125.00		
Overhead rate	35.00		
Equipment revenue rate	175.00		
Financial loss currency	£ Pound Sterling		
Group Security & Messaging			
Direct (single level)	<input type="checkbox"/>		
Dependent (multi level)	<input type="checkbox"/>		
Supervisor workbench access	<input checked="" type="checkbox"/>		
Messages and Alerts			
Validity period, days	30		
Data Collection			
Employee status (default)	Out/Off		
Equipment status (default)	Out/Off		
Clock out warning after (hrs)	14.0		
Terminal timeout after (secs)	600		
Clocked time (default)	Office Time		
Data selector (default)	Operation Selection		
Report quantity (maximum)	1000000.00		
Report scrap (maximum)	1000000.00		
Enable automation	<input type="checkbox"/>		
Automation polling interval (sec)	10	Chunk size	1000
Data buffer interval (sec)	60	Chunk size	3000
Transaction generation interval (sec)	15	Chunk size	100000
API			
Enable REST API	<input checked="" type="checkbox"/>		
REST API specification	Open		
Data Retention			
Default retention history (days)	1		
Tag retention history (days)	10		

 **Note: Enabled by Default** : Data retention settings are enabled by default and set to retain data for 10 days.

New Send Application Telemetry Setting

A new setting has been added to **Advanced Settings > General** to allow sending of basic usage data to LYNQ. When enabled, this setting helps LYNQ to enhance product features and user experience. Usage data sent to LYNQ is not shared with any third party and LYNQ do not collect personal identifiable data through this setting.

Data Collected

Subject	Specific Data
Environment	Licence ID Customer ID Product Product Version Site Name Environment Type Data Source Name
Usage	No. of Activate Users No. of In-Activate Users No. of Activate Employees No. of In-Activate Employees No. of Activate Equipment No. of In-Activate Equipment No. of Work Units in APS No. of Tools in APS
Transaction Count	Labor Time Machine Time Good Quantity Scrap Quantity Material issues Production issues Total transactions Transaction errors

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > General > General Section	WEB-2257

New Send Application Telemetry Setting

Advanced Settings

WORKBENCH	ACTIONS	AUTOMATION	DESIGNER	ANALYTICS	DEFINITIONS	TIMESHEET	PERMISSIONS	RULES	GENERAL	PROFILES
-----------	---------	------------	----------	-----------	-------------	-----------	-------------	-------	---------	----------

SAVE CANCEL

General

Maintenance Mode

Enable 'Find as you type' filter

Time duration edit mode

Split equipment by primary type

Send application telemetry

Financial Loss

Labor rate

Employee revenue rate

Overhead rate

Equipment revenue rate

Financial loss currency

Data Collection

Employee status (default)

Equipment status (default)

Clock out warning after (hrs)

Terminal timeout after (secs)

Clocked time (default)

Data selector (default)

Report quantity (maximum)

Report scrap (maximum)

Enable automation

Automation polling interval (sec) Chunk size

Data buffer interval (sec) Chunk size

Transaction generation interval (sec) Chunk size

Note: Disable Setting

The **Send Telemetry Setting** is enabled by default but can be disabled by unchecking the **Send application Telemetry setting** in the **General Section**.

Improved System Insights Dashboard

The **Systems Insights Dashboard** has been improved to show additional process data.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	System Insights > Dashboard	WEB-2257

Improved System Insights Dashboard Data

The screenshot displays the 'System Insights' dashboard with the following sections:

- Seals:**
 - Named resources: 18 / 2000
 - Database Size, MB: 2 474 MB (SQL, 2017)
 - Date: 464 MB (SQL, 2017)
 - Config: 784 MB (SQL, 2017)
 - Log: 15 792 MB (SQL, 2017)
 - Automation: 8 208 MB (SQL, 2017)
- Validation:**
 - Views with duplicates: 1
 - Views with no data: 4
 - Views with errors: 0
- Analysis:**
 - Recalculate analytical statistics: Per last 10 days
 - Transactions general log: 17 489
 - Unprocessed analytical statistics: 0
 - Expected processing time: 0
 - Analytical statistics: 1 470
 - Analytical statistics cache: 291
- Errors:**
 - Application general log: 0
 - Application process log: 0
- Packets:**
 - Tags: 0
 - Unprocessed tags: 0
 - Packets: 0
 - Unprocessed packets: 0
 - Error packets: 0
 - Processed packets: 0
- Events:**
 - Total: 25 924
 - Event: 0
 - Pending accept: 0
 - In accept process: 0
 - Accept error: 0
 - Unprocessed new events: 25 924
- Transactions:**
 - Unprocessed new transactions: 0
 - Total transactions: 14 013
 - Posted: 249
 - Not posted: 3 210
 - Excluded: 13 480
 - Pending: 2
 - Posting error: 45
 - Unposting error: 0
 - Deleted transactions: 251
 - Posting: 15
- Application Processes:**
 - LTSG Platform Service: 1/4/2020 9:55 PM (0.2s ago)
 - Caching BOM: 1/4/2020 9:09 PM (26.0s ago) 0.5s OK
 - Caching employees: 1/4/2020 9:08 PM (2m ago) 0.5s OK
 - Caching equipment: 1/4/2020 9:08 PM (2m ago) 0.5s OK
 - Caching jobs: 1/4/2020 9:04 PM (24.9s ago) 0.5s OK
 - Caching operations: 1/4/2020 9:04 PM (25.2s ago) 0.2s OK
 - Caching schedule: 0.2s OK
 - Caching tests: 1/4/2020 9:04 PM (24.7s ago) 0.5s OK
 - Automation tag padding: 1/3/2020 11:42 PM (3.9s ago) 0.9s OK
 - Automation tag packaging: 1/3/2020 11:42 PM (3.9s ago) 0.9s OK
 - Automation tag purging: 1/3/2020 11:24 PM (2.9s ago) 0.9s OK
 - Data object purging: 1/3/2020 9:58 PM (3.9s ago) 0.5s OK
 - Log: new data purging: 1/3/2020 11:42 PM (3.9s ago) 0.5s OK
 - Log: processing data purging: 0.5s OK
 - Event buffer processing: 1/3/2020 11:42 PM (3.9s ago) 0.5s OK
 - Transaction generation: 1/3/2020 11:42 PM (3.9s ago) 0.7s OK
 - Transaction to WIP profiling: 1/4/2020 3:04 PM (24d ago) 0.5s OK
 - Statistic synchronization: 1/3/2020 11:42 PM (3.9s ago) 0.5s OK
 - Scheduled actions: 1/3/2020 11:42 PM (3.9s ago) 0.5s OK
 - Alert processing: 1/3/2020 11:42 PM (3.9s ago) 0.9s OK
 - Application log filter reload: 1/3/2020 11:42 PM (3.9s ago) 0.5s OK
 - APS statistics maintenance: 1/3/2020 7:36 PM (14d ago) 0.2s OK
 - Application telemetry: 1/27/2020 6:00 PM (7d ago) 2.8s OK



Note: Troubleshooting : This information is useful when troubleshooting.

New Exceeds Previous Validation Rule

A new validation rule has been added that can warn or prevent users from reporting more than reported in the previous operation. This setting applies to the **Scheduled Tasks, Report Single** and **Report Multiple Functions** and will automatically be applied to on-screen elements that include this function, upon upgrade.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) Advanced Settings > Workbench > Elements > Workbench (Equipment) Advanced Settings > Workbench > Elements > Report Multiple Advanced Settings > Workbench > Elements > Report Single	WEB-1896

New Exceeds Quantity Validation Rule

The screenshot shows the 'Reporting Options' dialog box with a 'Validation Rules' pop-up window. The 'Validation Rules' window contains two rules:

- Warn [dropdown] Remaining quantity exceeded by 10.00 [input] Percent [dropdown]
- Warn [dropdown] Exceeds quantity reported in the previous operation by 0.00 [input] Percent [dropdown]

The second rule is highlighted with a red box. An 'OK' button is visible at the bottom right of the pop-up window.

Note: Default Setting: By default, this setting is disabled, and users should change the setting from 0 to enable this feature to work.

New Auto Deplete for Material Issue

A new setting has been added to LYNQ api that enables auto depletion of Bins and Lots when posting Material Issues to SYSPRO. The new setting requires SYSPRO to be configured as follows:

1. Inventory Setup - Depletion
Apply automatic depletion in KIT ISSUES enabled
2. LYNQ api Operator Code Preferences for Job Issues
Default Type set to SPECIFIC ISSUE
Auto Deplete Lots and Bins enabled

When auto deplete is enabled in LYNQ api, bin and lot data does not need to be specified by the user in the extended details screen. Should the user specify bin and lot data in LYNQ, SYSPRO will ignore this information and automatically deplete based on the the earliest receipt date.

Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ api	API Settings > Settings > Material Issue Settings > Auto Deplete	SLQ-297

New Auto Deplete Setting

Post Expected Labour

Quantity transactions

Scrap transactions

Scrap Settings

Reason code for blank values DC

Process scrap as finished good

Default target scrap warehouse

Status Settings

Post Status to final activity only

Re-open completed operations

Job Closure on final operation

Non Productive Time Settings

Post to work centre

Default non productive code

Work centre code

Work centre rate

Equipment Time Settings

Use employee rates

Material Issue Settings

Auto deplete

 **Note: Default Setting:** By default, this setting is disabled.

Improved Material Issue for Multiple UOMs

The material issue feature has been improved to work with the UOM specified in the bill of material and to deplete materials in the stocking UOM. Previously, the material issue screen displayed the required, issued and remaining quantities in the stocking UOM. This prevented users from posting material issues to SYSPRO when multiple UOM's were in use.

Where can I see the change?

Menu	Sub Menu	Ref No.
Data Collection	Workbench > Material Issue	WEB-2398

Improved Material Issue Screen

Material Issue

Job	Stock Code	Description	Operation	Description
WWP203	B100	Bicycle	1	Bicycle Assembly

Comments?	Issue Materials	Uom	Date	Material	Warehouse	Required	Issued	Remaining
	<input type="text" value="0"/>	EA	8/25/2020	B112	RM	300.0000	0.0000	300.0000
	<input type="text" value="0"/>	EA	8/25/2020	B113	SA	300.0000	0.0000	300.0000
	<input type="text" value="0"/>	EA	8/25/2020	B114	SA	300.0000	0.0000	300.0000
	<input type="text" value="0"/>	EA	8/25/2020	B115	SA	300.0000	0.0000	300.0000

Bill of Material UOM

To display the UOM to the users, the settings against the **Material Issue** function will need to be amended.

1. From the MOM home page select Settings
2. Select Advanced Settings
3. Select Workbench
4. Select Elements
5. Double click on the Material Issue element to edit the settings
6. Select Material Issue (Active Tasks) settings
7. In the Capture BOM View pane, filter the records by typing UOM into the field name filter field
8. Check on the UOM field and enter a sequence number
9. Select Save

Captured BOM

<input type="checkbox"/>	Sequence	Field Type	Field Name	Sort	Filter	Filter Value
			UOM			
<input checked="" type="checkbox"/>	1	Material	Uom	None	<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/>	0	Operation	Time UOM Conversion	None	<input type="checkbox"/>	<input type="text"/>

 **Note: Default Setting:** By default, the UOM field is not visible on the Material Issue screen.

New Transfer WIP Feature

A new setting has been added to LYNQ api that enables the transfer of WIP from non-stocked sub jobs to the master job. When enabled and a quantity transaction is posted to SYSPRO, the WIP Transfer function will run automatically after the quantity is posted. The product class defined against the non-stocked master record is passed into the WIP Transfer Business Object.

Where can I see the change?

Menu	Sub Menu	Ref No.
LYNQ api	API Settings > Settings > Part Billings Settings > Transfer WIP to Master Job	SLQ-298

New Transfer WIP to Master Job Setting

Part Billings Settings

Transfer WIP to master job	<input checked="" type="checkbox"/>
Source of the WIP value	Actual cost
LedgerCode	777
Default order status	In warehouse
Increase sales order quantity	<input checked="" type="checkbox"/>



Note: Product Class : If the product class is not specified in the non-stocked master record, the default product class from LYNQ api settings, will be passed instead.

Improved Factory Automation Capabilities

A number of changes have been added to factory automation, including:-

1. Unattended data collection without need to start job manually
2. Ability to run multiple jobs on single equipment
3. Ability to collect quantity and scrap signals from multiple Tags
4. New and extended signals and processors:
 1. Active Task (Task start/stop)
 2. Task Good Quantity
 3. Task Scrap Quantity
 4. Equipment Status
 5. Task Status
5. New task locator feature to map incoming job to LYNQ job
6. Ability to define split time behavior when multi jobbing
7. Improved simulator feature
 - a. New graphical image of simulation
 - b. New settings to allow definition of:
 - a. Cycle Time
 - b. Product Size
 - c. Scrap Ratio

8. New factory automation API


Where can I see the change?

Menu	Sub Menu	Ref No.
Resource Management	Seat Maintenance > Automation	WEB-1827

Improved Factory Automation Simulator

The screenshot displays the 'Factory Automation Simulation' interface. At the top, there are navigation tabs: HOME | PLANNING | WORKFORCE | FACTORY. Below this, there are control buttons: Start, Stop, Reset, and Edit seat. The main display area shows three key performance indicators (KPIs): 3600 Units per Hour (Cycle Time), 42 Good Quantity (Product Size), and 4 Scrap Quantity (Scrap Ratio). Each KPI has a corresponding slider control. Below the KPIs is a 3D simulation of a production line with a machine and a conveyor belt. On the right side, there is a 'Configuration' panel with various settings for task configuration, PLC quantity logic, and enable automation. Below the configuration panel is a 'PLC Tag Definition (Siemens S7-200)' table with columns for tag name, value, and reason. At the bottom, there is a 'FILTER BY SEAT' button and a table with three rows of data, each representing a different task or job.

Time	UID	Seat	Endpoint
4:33:28 PM.97 T	C1189776-7C24-405B-9048-38E39ECA5CD3 (84783)	Seat: DRILL / DRIL01	Endpoint: 1005 (31295) - DRILL / DRIL01 - Resource Status - Resource Status
4:33:26 PM.100 T	4CD18D67-A23E-4B5F-A047-2170EA7AC653 (84782)	Seat: DRILL / DRIL01	Endpoint: 1011 (31299) - DRILL / DRIL01 - Task Good Quantity - Task Good Quantity
4:33:25 PM.97 T	6B4C5D79-CB6E-46AD-AFE7-B1475BC44691 (84781)	Seat: DRILL / DRIL01	Endpoint: 1004 (31294) - DRILL / DRIL01 - Task Scrap Quantity - Task Scrap Quantity



Refer to the Factory Automation Guide for more information. This guide is published on the SYSPRO Help site.

Improved Messages To Send To Equipment

The message center has been improved to allow sending of messages to equipment resources. If messages will be sent to equipment, the equipment terminal must be configured to include the messages on-screen element.

Where can I see the change?

Menu	Sub Menu	Ref No.
Message Center	New Message	WEB-2355
Data Collection	Workbench	

Improved Messaging option to Include Equipment

HOME | PLANNING | WORKFORCE | FACTORY

Message Center

UNREAD READ ALL SENT

NEW MARK READ MARK UNREAD DELETE

Type From Subject

New Message

To... DRILL / DRIL01 *

Subject This equipment needs to be calibrated.

Please review this equipment it needs to be calibrated.

Thanks|



Note: Message Element: It is recommended that the message on-screen element is configured without a button.

New Manual Parameter Entry For Webhook

Based on user feedback a new setting has been added to Webhook settings that will allow a user to manually enter a parameter value whilst using webhooks.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) Scheduled Task Settings Advanced Settings > Workbench > Elements > Workbench (Equipment) Scheduled Task Settings Advanced Settings > Workbench > Elements > Report Single Settings	WEB-2355
Data Collection	Workbench	

New Manual Entry option added to Webhook Parameters

Parameters - Manual Entry

Note: Report in Workbench : When enabled, the user will have the ability to populate the parameter from the reporting screen in the workbench.

New Site Maintenance Mode Setting

A new setting has been added to allow administrators to put LYNQ mom sites into Administration Mode. This setting can be used whilst performing upgrades or troubleshooting to prevent shop employees interacting with the Workbench or any other data-originating functions. Once enabled, the entire web application is only functional when run via 'localhost'. (i.e. directly on the server). In addition, the following functions are disabled:

- Scheduled Actions (manual actions will continue to work from localhost)
- REST API (when called outside of localhost)
- Alerts

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > General	WEB-2100

New Maintenance Mode Setting

HOME | PLANNING | WORKFORCE | FACTORY

Advanced Settings

WORKBENCH
ACTIONS
AUTOMATION
DESIGNER
ANALYTICS
DEFINITIONS
TIMESHEET
PERMISSIONS
GENERAL
PROFILES

General

Maintenance Mode

Enable 'Find as you type' filter Enabled

Time duration edit mode Combined

Split equipment by primary type

Data Collection

Employee status (default) Out/Off

Equipment status (default) Out/Off

Clock out warning after (hrs) 14.0

Data Caching Interval (s)

Tasks 60

Tasks schedule 60

Operations 60

Materials 60

Jobs 60

Employees 60

Equipment 60

APS planning statistics 60

Refresh



Note: Scheduled Actions: Actions that are scheduled to function during maintenance mode will execute once the site comes out of maintenance mode.

New Copy Webhook Functionality

A new copy function has been added to the **Webhook** setup screen.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Definitions > Webhooks	WEB-2102

New Copy Option

The screenshot shows the 'Advanced Settings' page for 'Webhooks'. At the top, there is a navigation bar with 'HOME | PLANNING | WORKFORCE | FACTORY'. Below it, the 'Advanced Settings' title is followed by a grid of menu categories: WORKBENCH, ACTIONS, AUTOMATION, DESIGNER, ANALYTICS, DEFINITIONS (highlighted), TIMESHEET, PERMISSIONS, RULES, GENERAL, PROFILES, ISSUES, CUSTOM, DROPDOWNS, EXTENDED, CLASSIFICATIONS, DATA, TASKS, PERIODS, DIVERSIONS, SCHEDULER, BOOKMARKS, and WEBHOOKS (highlighted). Under the 'WEBHOOKS' category, there are buttons for 'NEW', 'EDIT', 'COPY' (highlighted with a red box), and 'DELETE'. Below these buttons is a table with columns for 'Name', 'Description', and 'URL'. The table contains two rows: 'Job View' with a checkmark icon and 'Job View - Copy' with a copy icon. Both rows have the same URL: <http://localhost/lynqmom/MenuPages/Tracking/JobStatusDetails.aspx>.

New Transaction Edit Audit Function

A new audit function has been added to the **Edit Transaction** screen. Using the **Audit** function, users are able to quickly review:

- Sync Messages
- Change Log

Where can I see the change?

Menu	Sub Menu	Ref No.
Execution Management	Transaction Review > Edit	WEB-2126

HOME | **PLANNING** | WORKFORCE | FACTORY

Edit Transaction

SAVE | **AUDIT** | CLOSE

General

Trx Date: 5/5/2020

Employee: 4

Membership:

Task: STOCKED2.1.Run

Equipment: MBFA / MBFA01

Quantity: 5.000000

Comments:

Additional:

Completed: Quantity, 5/5/2020 4:23 PM.
2019_#_02_#_0000000384_#_0000000000

New Audit Function

By default, sync messages are only visible when the transaction is in the status of error. Details within sync messages can help users troubleshoot why the transaction is not able to post to Enterprise Resource Planning. To view sync messages for posted transactions, a setting must be enabled in LYNQ api.

How to Enable the Transaction Edit Audit Function in LYNQ api

The following steps describe how you enable the transaction Edit Audit Function in LYNQ api

1. Open LYNQ api.
2. Select the correct instance
3. Select **Global Settings**
4. Select **API Settings**.
5. Enable the extended logging on ERP integration setting.



- Instance Settings
- Entity Settings
- Parameter Settings
- Menu Builder
- User Settings
- Entity User Groups Settings
- Export Items
- Import Items
- Licensing
- Roles Administration
- Global Settings
- Modules
- API Settings

Global Settings

COMMON SETTINGS

DRILLDOWN COLUMNS

API SETTINGS

General

Enable extended logging on ERP

integration



Save

 **Note: Change Log:** Use the change log to see the full change history for the transaction.

Improved Workbench Validation Rules

New validation rules have been added for quantity, scrap, and material issues to warn/prevent total reported going below zero.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Reporting Options > Use Validation	WEB-1876

New validation rule - Quantity exceeds total quantity reported

Validation Rules ✗

Prevent	Quantity exceeds total quantity reported by	0.00	Percent
Warn	Serial/lot has not been provided as required		
Warn	Bin number has not been provided as required		
Warn	Traceability code has not been provided as required		
Warn	Location has not been provided as required		
Warn	Warehouse has not been provided as required		

OK



Note: Separate Rules: Separate rules can exist for quantity, scrap and material issues.

New Validation Rule Exceeds Quantity Reported In Previous Operation

A new validation setting has been added to prevent users reporting operational quantity where the value exceeds the value reported in the previous Operation. (Run Time Task).

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Workbench (Equipment) > Settings > Reporting Options > Use Validation Advanced Settings > Workbench > Elements > Report Single > Functions > Report Single Settings > Use Validation Advanced Settings > Workbench > Elements > Report Multiple > Functions > Report Multiple Settings > Use Validation	WEB-1876

Reporting Options

General

Provide option to add comments

Report non-productive

Show webhook button ...

Form submission webhooks ...

Track performance abnormality ...

Use validation ...

Status

Show status field

Default status

Status can be edited

Auto complete when no quantity

Auto stop when complete

Use validation

Good Quantity

Show quantity field

Default values based on ...

Use extended details Operational Quantit ...

Scrap Qua

Show scre

Use exten

Show deta

Validation Rules ✕

<input type="text" value="Warn"/>	Remaining quantity exceeded by	<input type="text" value="10.00"/>	<input type="text" value="Percent"/>
<input type="text" value="Warn"/>	Exceeds quantity reported in the previous operation by	<input type="text" value="0.00"/>	<input type="text" value="Percent"/>

Note: Default Setting: By default, this setting is disabled, and users should change the setting from 0 to enable this feature to work.

Improved Show/Hide Operations

A new validation setting has been provided to prevent users from starting a task if the previous milestone operation is not started (Quantity or Status of Run Time activity of the Operation)

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Functions > Schedule Task Settings > Show/Hide Operations Advanced Settings > Workbench > Elements > Workbench (Equipment) > Functions > Schedule Task Settings > Show/Hide Operations	WEB-1998

New Show/Hide Option if Previous Milestone Not Started

HOME | PLANNING | WORKFORCE | FACTORY

Scheduled Tasks

SAVE CLOSE

Controls

- Show start button
- Show classification button
- Show stop button
- Show report button
- Show attachments button
- Show webhook button
- Columns settings

Reporting

- Start task before reporting
- Reporting options

Job List

- Allow multi-jobbing
- Split time by employee
- Split time by machine
- Use period to filter +/- 3 days
- Show/hide operations

Job List Options ✕

- Hide if previous activity has not been started
- Hide if previous activity has not been completed (Quantity or Status)
- Hide if activity is started by another resource
- Hide if activity has been completed (Quantity or Status)
- Hide if previous milestone has not been started
- Hide if previous milestone has not been completed (Quantity or Status of Run action)



Note: Also Applies to : The rule has been added to all functions that can start a task: Workbench, Add Task, and Barcode Task Selection.

New Field for Displaying Narrations (1st Line)

The Param1 field has been mapped to display the first line of SYSPRO Narrations. The Param1 field can be added to the workbench.

Where can I see the change?

Menu	Sub Menu	Ref No.
Settings	Advanced Settings > Workbench > Elements > Workbench (Employee) > Functions > Schedule Task Settings > Column Settings Advanced Settings > Workbench > Elements > Workbench (Equipment) > Functions > Schedule Task Settings > Column Settings	WEB-2127

New Column mapped for Narrations

Task Columns ✗

Task(s)						
Sort	Field Type	Field Name	Sort	Use filters	Filters	
<input checked="" type="checkbox"/>	0	Task	Start Date	Asc	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	5	Operation	Param1	None	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	10	Task	Activity	None	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	20	Task	Job	Asc	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	30	Task	Stock Code	None	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	40	Task	Description	None	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	50	Task	Operation	Asc	<input type="checkbox"/>	<input type="text"/> ...
<input checked="" type="checkbox"/>	60	Task	Description	None	<input type="checkbox"/>	<input type="text"/> ...



Note: Customize: Use the customize option to add the param1 field to other customizable reports in MOM.

Mapped Job Number (without leading zeros) to fldstring1

By default Fldstring1 in Visual APS has been mapped to show the Job Number without leading zeros in the LYNQ_VP_SourceProductionOrdersView.

Where can I see the change?

Menu	Sub Menu	Ref No.
Dispatching	Visual APS > Edit Columns	APS-720



Note: Customized View?: Customers that are using fldstring1 for other purposes, will need to remap this field after upgrading.