INNOVA
Food Processing Software

Innova Release Notes

Version: 6.1.3
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Innova 6.1.3 Release Notes

Highlights

This version of the New Innova Release contains the Innova Platform and selected products and modules available for new installations. This is the sixth generally available release of the New Innova Release and delivers bugfixes, feature improvements and newly available modules and products. See New in this release.

> **NOTE**: This version requires the **Innova Installation Manager version 1.5.2** to install properly. Older versions of the Installation Manager will wrongly report compatibility issues with some modules.

Convenience Line Software

Convenience Line Software Central Equipment Control is now available.

Line Profiler

Line Profiler is now available as part of the Process module.

Recipe

The **Recipe** module is now available.

Support for JSON in Integration

JSON is now supported in Innova Integration Services.
Three new export handlers and three new import handlers were added. These handlers behave similarly to their XML counterparts, except they export and import JSON data.
See Integration Services for more information.

Support for RFU62xx RFID readers

Packscales now supports RFU62xx RFID readers.

QC weight sampling

Improvements to the **Value grades** view in the QC module include a new **Sync** button, which allows value grade details and results to be automatically calculated based on content specifications.

If no details or results exist for the selected value grade, new ones are generated. If details and results exist, they are updated based on sequence.

The new button is disabled by default but can be enabled in the view configuration.

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Included in this release

The following Innova modules and products are included in this release from version 6.1.0:

Innova module	Module version	Product name	Disclaimer
Base	6.4.1	Not a sold product	
Data Visualization	3.3.4	Not a sold product	
Process	5.4.1	Innova Final Goods Manager	
		Innova Inventory	
		Innova Labeling	
		Innova Order Manager	
		Innova Time Registration	
Web UI	3.1.2	Not a sold product	
Carrier View	3.0.1	Not a sold product	Included to support the CLS and SIS (IPPS) modules
CLS	2.0.2	Innova Chiller Logistics System	
Deboning	3.3.1	Innova Meat StreamLine	
		Innova StreamLine Trimming	
Decision Matrix	2.1.1	Not a sold product	
Deployment	7.0.2	Not a sold product	
FLS	2.0.1	Innova Crate and Box Distribution Solution	
Grading	3.1.2	Innova RoboBatcher	
		Innova Accuro	
		Innova Grader	
		Innova Compact Grader	
		Dynamic Order Control (see SPacker)	

		Innova FleXisort	
		Innova SmartSort	
		Takeaway with Integrated Checkweigher	
		Takeaway with Terminal	
IMPAQT	3.2.2	Innova IMPAQT	
Integration	3.1.0	Innova Integration Services	
IRIS	3.0.4	Innova Intelligent Reporting, Inspection and Selection (IRIS)	
Monitoring	3.0.0	Innova Equipment Monitoring	Reverted to version 3.0.0 because of a refactoring issue.
OEE	4.0.5	Innova OEE	Included only to support IMPAQT. This release includes support for selected products only on request.
OptiPack	3.1.0	Innova Packing	Support for OEE in this release of OptiPack is available only on request.
		Box Management System (BMS)	Solution not sold as a standard product
		Innova Mcheck2	
		Innova Multihead Weigher	
		Packing Scale License	
		Innova SpeedBatcher	
		Innova TargetBatcher	
PDC	3.1.3		
PDS	4.0.1	Innova PDS	Included to support the PDS functionality needed for IRIS, SmartWeigher (Abstraction

			module)
Portioning	2.0.1	Innova FleXicut	
		Innova I-Cut (dual lane)	
		Innova I-Cut (single lane)	
QC	2.1.0	Innova Quality Control	
SensorX	3.0.1	Innova SensorX Poultry	
SIS	2.2.0	Innova Primary Processing Software (IPPS) - Beef	
		Innova Primary Processing Software (IPPS) - Pork	
SmartWeigher	3.0.4	Innova SmartWeigher	
Sol.BoxSorter	2.0.1	Not a sold product	
Sol.Fish	3.1.0	Innova Purchase Order Reweighing (Not a formal product)	
Sol.Hopper Distribution	1.0.0		
Sol.WFExport	2.0.1	Not a sold product	
Sol.SPacker	2.1.0		
Stork Solution	1.0.1	Not a sold product	
Trimming	4.1.1	Innova Trimming	
		Innova Manual Trimming	
		Innova Fish Streamline 900	
		Innova Poultry Streamline 900	
		Innova Poultry Streamline 1100	

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Unit Operations	3.1.1	Innova Unit Operation Station	
Web	3.0.2	Innova Web	Included to support other modules
Weighbridge	3.0.0	Not a sold product	
WPL	2.3.0	Innova WPL	
		Innova Inline OCM 9500	
Yield Control	3.0.2	Innova Yield Control	
		Innova Flowscale	
		Yield Registration Device	

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New in this release

The following application modules were also added as part of the New Innova Release in version 6.1.3:

Innova module	Module version	Product name	Disclaimer
Prepared Foods	1.0.0	Innova Convenience Line Software Central Equipment Control	
Process	5.4.1	Innova Line Profiler	
Recipe	3.0.1		
VID	3.1.3	Innova Fillet Distribution	Required dependency to support PDC.

Base

Module: 6.4.1

Changes in this release are from module version 6.3.0 to 6.4.1.

New features and improvements

The following new features and improvements to functionality were added:

Bug fixes

The following bugs were fixed:
- Fixed several issues that caused Billboard to not work correctly with DevX reports and DevX customer reports.
- **System program Executable Type enum is not correct**
  Fixed an error in the *PopulateTable* function, added support for verbose trace and improved reporting.
- **M1100 weighing units**
  A bug that occurred when the M1100 was specified to use grams, lb and oz was fixed. Data handling for the device was updated to always use the weighing unit specified on the device.
- A timeout issue on IPCs discovering the services was fixed.

Data Visualization

Module version: 3.3.4
Changes in this release are from module version 3.3.3 to 3.3.4.
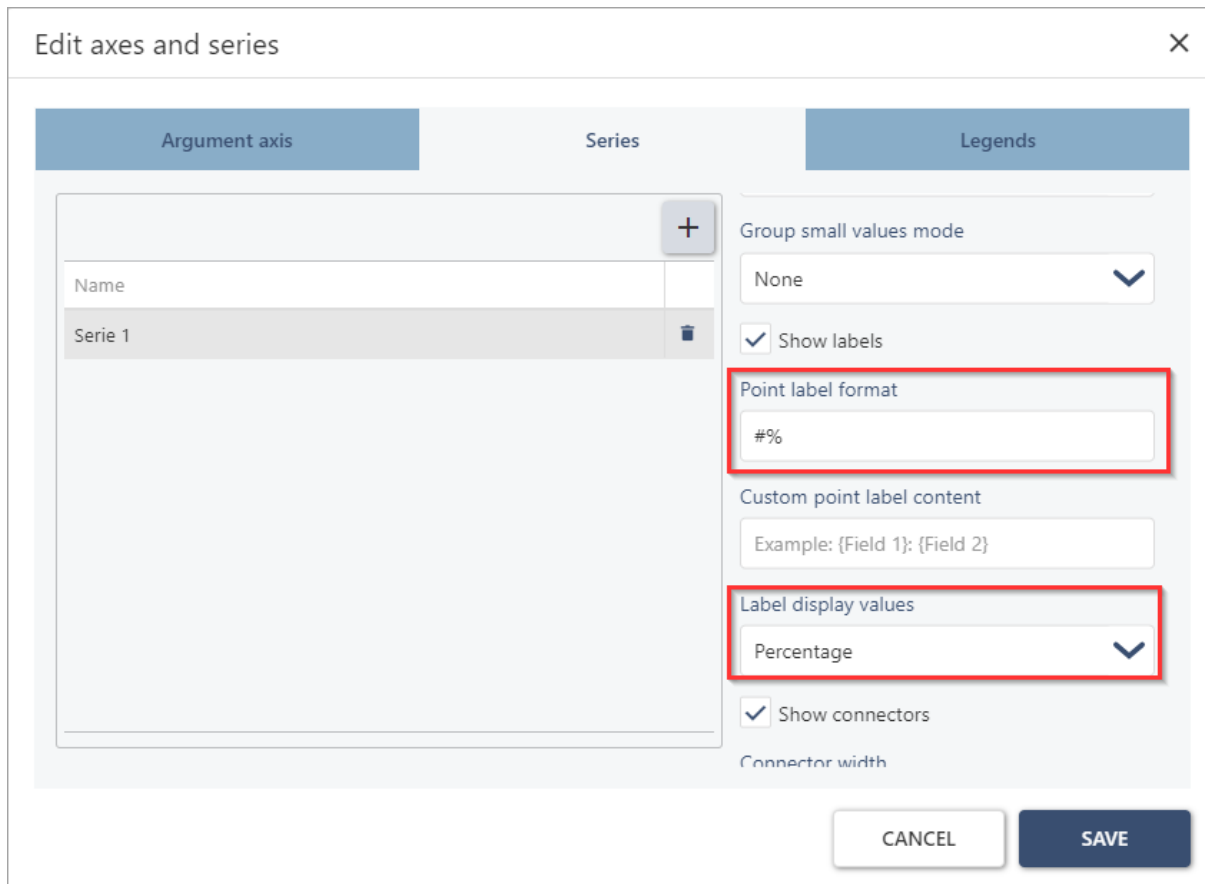
New features and improvements

The following new features and improvements to functionality were added:

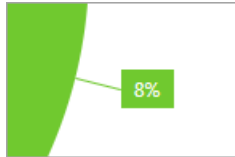### Improvements to pie chart percentage labels

It's now possible to change how percentage labels are formatted in pie charts.
The **Percentage** option in the **Label display values** field can be formatted in the **Point label format** field.

Select **#%** to display percentage labels as rounded integers, as in the following example:

Select **#.0.0%** to display percentage labels with two decimal places, as in the following example:
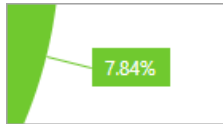
If no format is set, then the default format **#.0.0%** is used.

Bug fixes

The following bugs were fixed:

- An issue was solved where it was still possible to change the selection of a PDS line even though it had been configured to be fixed.
- An issue was fixed where the pie chart legend was sorting randomly.
- **Imported dashboards do not show data**
  A bug was fixed where dashboard templates could not load data and an "Apply valid criteria for this data source" message appeared in the component after importing template files.
- A bug was fixed where it was not possible to set multiple criteria in web reports and dashboards.

Deboning

Module version: 3.3.1

Changes in this release are from module version 3.3.0 to 3.3.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

- **Streamline web terminals display text from other task lines**
  Text displayed on some Streamline trimming screens did not match what was configured in the cutting pattern task lines. Now the column is hidden if neither the *Operator message* nor *Trim buffer products* is set, and values are updated correctly without old values being shown.

Grading

Module version: 3.1.2

Changes in this release are from module version 3.1.1 to 3.1.2.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:
- Fixed an issue where the M2400 Compact Grader was not able to terminate batches when connected to Innova.

IMPAQT

Module version: 3.2.2

Changes in this release are from module version 3.1.0 to 3.2.2.

New features and improvements

The following new features and improvements to functionality were added:

IMPAQT Kill line restraint breakdown

An new feature/expansion was created on the IMPAQT measurement of the defeathering line that makes it possible to distinguish between a line restraint caused by problems in the GP tilting device or CAS stunning system and a line restraint caused by an actual lack of product infeed or not enough products in container.
To activate this update, do the following

1. Configure CAS & GP devices in Innova (these are usually already present in Equipment Monitoring).
2. Add new **Stop reasons** via *dbloaderGUI.exe*.
3. Stop the plug-in.
4. Change the **Class type** of the defeathering line plugin to *OeeLineDefeatheringPlugin* instead of *OeeLinePlugin*.
5. Restart the plug-in host that hosts the defeathering line plug-in.
6. Configure the defeathering line plug-in with GP and CAS settings.
7. Start the defeathering line plug-in.
8. Restore the signal map to the new standard map (make a note of customer changes beforehand and re-apply afterwards if applicable).
9. Activate the OEE Entity of the defeathering line.
10. Restart the defeathering line plug-in.

Generate data based on lot slaughter day instead of production day

IMPAQT now provides the option to use the slaughter day for registrations instead of the production day.
Registering on slaughter day ensures that the OEE profile contains data from lots on the correct production day.

Bug fixes

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The following bugs were fixed:

- **Difference in time format in Nuova graphs**
  Fixed a difference in the time format on Nuova graphs (*RehangPerformance* and *RehangUnitPerformance* web dashboard components). The graphs now use the time format of the system culture set in App.Configuration.SystemCultureName.

- **Changed order of Loss reasons in Primary plugin is not saved**
  The class *LossReason* properties *LossReasonId* and *LossType* didn't have a setter. This was fixed.

- Fixed the Nuova **Machine history**. The minimum sample cut-off now correctly takes the number of units into account.

- Fixed the reversed y-axis on the notification graph when no data was available. The min/max range is now set from data when available.

- **Check on data overload**
  An issue where an SDT sensor was not clean caused TAP to detect several line stops every few seconds, overflowing the events generated in IMPAQT in a way that the IMPAQT system seemed to become unresponsive. This was solved by measuring the frequency of signal changes: if the change was too high, the signals were ignored and the line went into an unscheduled state with the stop reason "Data overload".
  Now when the configured *dataoverloadPreventiontime* is higher than the configured *DataProcessingDelay*, then the *dataoverloadPreventiontime* will be set to the *DataProcessingDelay* value. When the configured *dataoverloadthreshold* is lower than 50, it will be reset to 50 signal switches.

- PDT dashboards are now installed correctly when running the IMPAQT Quick Config.

- **Double registrations in OEE data leading to deviating results in OEE Details**
  Fixed an issue that caused OEE data to be registered twice when the PDS-NT device went offline for a while and send old buffered data when it came online again. This could happen when the device was offline for longer periods because after 15 minutes of no data, the OEE measurement will start generating empty production data records because it assumes older data will not come anymore. This was fixed by ignoring the old data around device disconnects.

- Fixed an issue where the plug-in crashed after start due to a SQL conversion error in *datetime*.

- **Tiles in EQM are not updating the state for THD plugin**
  Fixed an issue in the Equipment Monitoring plug-in for rehang measurement that didn't show the correct alarm state color in the dashboard component background because it was not updating the state at the right times.

- **Stop using Has Products signal**
  The *HasProducts* signal caused errors to be logged in the Innova log. It is no longer used

in entities and has been removed from the signal map. All related code for this signal was removed so these errors won't be logged.

- Fixed an issue where the **Qualities** tab magically disappeared from the Plug-in configuration dialog.
- **IMPAQT Signal "Unplanned stop (Production)" not set default to false when restarting plugin**
  In order to have the correct signal states after a restart of Innova or the plug-in, the signal "Unplanned stop (Production)" is set to false after this restart.

Integration Services

Module version: 3.1.0

Changes in this release are from module version 3.0.2 to 3.1.0.

New features and improvements

The following new features and improvements to functionality were added:

Implement JSON support

JSON is now supported in Innova Integration Services.
There are three new export handlers: *FileJsonExportHandler*, *DBJsonExportHandler* and *StagingWSJsonExportHandler*.
There are three new import handlers: *FileJsonImportHandler*, *DBJsonImportHandler* and *WcfJsonImportHandler*.
These handlers behave very similarly to their XML counterparts, except they export/import JSON data.

Notable differences

- XSLT transformation is not supported for these handlers.
- There is a new JsonData column in itgr_exports that DBJsonExportHandler writes data to instead of the Data column.
- There is a new JsonData column in itgr_imports that DBJsonImportHandler reads data from instead of the Data column.

JSON formatting

JSON export handlers have an OutputFormat config under JsonExportProcessConfig.
Available values are:
- Simple - Flat, simple format
- Relational - Structured according to relations in database
- RecordData - Record import data format

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```
Marel.Mp6.Integration.Services.ExportEngine.File.FileJsonExportHandler                    A    ▼    ✓

☰ XML

1    <DataRoot>
2      <Marel.Mp6.Integration.Services.ExportEngine.Base.ExportProcessConfig>
3        <Queued>True</Queued>
4        <IncludeNull>False</IncludeNull>
5        <Flat>False</Flat>
6        <LogErrors>False</LogErrors>
7        <LogInfo>False</LogInfo>
8        <!--Can be either file path or record code-->
9        <Script />
10       <!--The Marel namespace version used by the destination system (if undefined, Mp6 is
11       <DestinationXmlNamespaceVersion />
12     </Marel.Mp6.Integration.Services.ExportEngine.Base.ExportProcessConfig>
13     <Marel.Mp6.Integration.Services.ExportEngine.Base.TableExportConfig>
14       <LookupInfos />
15     </Marel.Mp6.Integration.Services.ExportEngine.Base.TableExportConfig>
16     <Marel.Mp6.Integration.Services.ExportEngine.Base.ExportUnitConverterConfig>
17       <DateFormatString />
18       <NumericFormatString />
19       <CultureName />
20     </Marel.Mp6.Integration.Services.ExportEngine.Base.ExportUnitConverterConfig>
21     <Marel.Mp6.Integration.Services.ExportEngine.Base.JsonExportProcessConfig>
22       <!--JSON output format. Availabe values: Simple, Relational, RecordData-->
23       <OutputFormat>Simple</OutputFormat>
24     </Marel.Mp6.Integration.Services.ExportEngine.Base.JsonExportProcessConfig>
25     <Marel.Mp6.Integration.Services.ExportEngine.File.FileJsonExportHandlerConfig>
26       <FileConfig>
27         <BaseName>JsonExport</BaseName>
28         <BaseDirectory>integration\exportJsonFiles</BaseDirectory>
29         <FileNameMethod>AppendDateTime</FileNameMethod>
```

Examples

Simple:

```
 1  [
 2    {
 3      "Order": {
 4        "Code": "pror000075",
 5        "Name": "TestOrder",
 6        "Active": "True",
 7        "OrderType": "3"
 8        }
 9    },
10    {
11      "OrderLine": {
12        "Order": "pror000075",
13        "Material": "prma00001",
14        "AssignType": "2",
15        "UnitType": "1",
16        "MaxAmount": "50",
17        "AmountUm": "200"
18        }
19    }
20  ]
```

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Relational:

```
 1  [
 2    {
 3      "Order": {
 4        "Code": "pror000075",
 5        "Name": "TestOrder",
 6        "Active": "True",
 7        "OrderType": "3",
 8        "OrderLines": [
 9          {
10            "OrderLine": {
11              "Order": "pror000075",
12              "Material": "prma00001",
13              "AssignType": "2",
14              "UnitType": "1",
15              "MaxAmount": "50",
16              "AmountUm": "200"
17            }
18          }
19        ]
20      }
21    }
22  ]
23
```

RecordData (this format can be imported and exported):

```
 1  [
 2    {
 3      "DataType": "Marel.Mp6.Process.Orders.OrderRecord",
 4      "Properties": {
 5        "Code": "pror000075",
 6        "Name": "TestOrder",
 7        "Active": "True",
 8        "OrderType": "3"
 9      }
10    },
11    {
12      "DataType": "Marel.Mp6.Process.Orders.OrderLineRecord",
13      "Properties": {
14        "Order": "pror000075",
15        "Material": "prma00001",
16        "AssignType": "2",
17        "UnitType": "1",
18        "MaxAmount": "50",
19        "AmountUm": "200"
20      }
21    }
22  ]
```

JSON transformation

You can transform the exported JSON by applying property renames. This is done by adding the renames to the **JsonTransformationConfig** under **JsonExportProcessConfig** in the following manner:

```xml
<Marel.Mp6.Integration.Services.ExportEngine.Base.JsonExportProcessConfig>
 <!--JSON output format. Availabe values: Simple, Relational, RecordData-->
 <OutputFormat>Relational</OutputFormat>
 <!--If set, the config is used to rename JSON properties when exporting.-->
 <JsonTransformationConfig>
  <Transform>
   <PropertyRename>
    <From>SSCC</From>
    <To>CustomSSCC</To>
   </PropertyRename>
  </Transform>
 </JsonTransformationConfig>
</Marel.Mp6.Integration.Services.ExportEngine.Base.JsonExportProcessConfig>
```

It's also possible to add multiple **<PropertyRename>** nodes for renaming multiple properties. The example configuration above will result in all "SSCC" properties in exported JSON files being renamed to "CustomSSCC":

```
"Pallet": {
  "Id": "1004",
  "UnitType": "3",
  "Site": "bssi0001",
  "Number": "7",
  "CustomSSCC": "200000000000000073",
  "Prunit": "prpr0030",
  "InvStatus": "5",
  "ShipmentType": "1",
  "Material": "prma00002",
  "Weight": "5043",
  "Nominal": "5043",
  "Gross": "5043",
  "Pieces": "0",
  "Units": "41",
  "CurAmount": "41",
  "AmountUm": "1800",
  "SubunitType": "1",
  "Status": "1",
  "ContentFlags": "0",
  "HasCancels": "True",
  "BegTime": "02/16/2023 14:11:19",
  "EndTime": "02/16/2023 14:11:19",
  "XactTime": "02/17/2023 09:23:53",
  "RType": "1",
  "RecordedBy": "14",
  "ShipmentContentType": "0",
  "Packs": [
    {
      "Pack": {
        "Id": "7842",
        "Site": "bssi0001",
        "Number": "915",
        "CustomSSCC": "000000000000009157",
        "CoNum": "10",
```

UnitOperations and Actions

Process **Actions** and **Unit Operations** can now be processed by JSON import handlers. They work the same as their XML equivalents, only for JSON.

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Example actions:

```
1  [
2    {
3      "Action": "Lot",
4      "Properties": {
5        "PrUnitCode": "prpr0001",
6        "Value": "prlo0001"
7      }
8    },
9    {
10     "Action": "Po",
11     "Properties": {
12       "PrUnitCode": "prpr0001",
13       "SelectFromList": "True",
14       "Value": "prpo000002"
15     }
16   },
17   {
18     "Action": "ProductionDay",
19     "Properties": {
20       "PrUnitCode": "prpr0001",
21       "Value": "20240125",
22       "DateFormat": "yyyyMMdd"
23     }
24   }
25 ]
26
```

Example unit operation:

```
1  [
2    {
3      "Operation": "pruo0028",
4      "OperationData": {
5        "ProcessUnitCode": "prpr0001",
6        "MaterialCode": "prma00001",
7        "PackCreateCount": 2,
8        "UnitWeight": 10
9      }
10   }
11 ]
```

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Bug fixes

The following bugs were fixed:

- **WsExportHandlerApplication - ContentLength Required by AWS /// Synchronization issues with Amazon Web Services**

  Two new config options were added for Web Service Export handlers:
  - When sending data to remote web services, the receiving service may require the size of the content to be part of the submission. The **WebService Export Handler** now supports including the **Content-Length** header to specify the size.
  - When the data is very large the content length might not be known beforehand. In this case, the transfer can be configured to be sent in multiple parts (chunks).

  The affected DLL is **Marel.Mp5.Integration2.Services.dll**.

  Configuration options were added to **ExportToWebServiceHandlerConfiguration** to support this. Neither is enabled by default.

```
<ExportToWebServiceHandlerConfiguration>
        <!--Unique id for the web service export type. Indicates where data will be sent, StagingExportHandlers reference this id.-->
        <ExportType>1</ExportType>
        <!--Max number of records to export-->
        <MaxRecordCount>1</MaxRecordCount>
        <!--Max number of retries to export-->
        <MaxRetryCount>10</MaxRetryCount>
        <!--CRON based schedule string-->
        <Schedule>0 */5 * * * *</Schedule>
        <!--Interval between retries-->
        <RetryInterval>500</RetryInterval>
        <!--Request timeout in seconds-->
        <Timeout>100</Timeout>
        <!--Url of the web service-->
        <Url />
        <!--Optional parameter, the soap action if the web service requests it-->
        <SoapAction />
        <!--Optional parameter, the content type the web service needs, Default is: text/xml;charset="utf-8"-->
        <ContentType>application/json; charset=utf-8</ContentType>
        <!--Optional parameter, username for credentials-->
        <UserName />
        <!--Optional parameter, password for credentials-->
        <Password />
        <!--Optional parameter, list of extra header parameters.-->
        <ExtraHeaderParams />
        <!--The request method to use for the web service call. Default is: POST-->
        <MethodType>PUT</MethodType>
        <!--Send data in chunks.  Will override SendContentLength. Default is: False-->
        <SendChunked>False</SendChunked>
        <!--Calculate Content-Length from payload. Default is: False-->
        <SendContentLength>False</SendContentLength>
        <!--The authentication token configuration, if required.-->
        <AuthTokenConfiguration>
```

- An issue with module install migration was fixed.

Monitoring

Module version: 3.0.0

Changes in this release are from module version 3.0.1 to 3.0.0.

Known issues

The following are known issues in this release:
- **Changes in module release 3.0.1 caused a problem and have been retracted.**

OEE

Module version: 4.0.5

Changes in this release are from module version 4.0.4 to 4.0.5.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

- **Event editor very slow**
  The performance of the OEE event editor was improved by adapting a query that was used to retrieve the stop reasons for an entity.

Process

Module version: 5.4.1

Changes in this release are from module version 5.3.0 to 5.4.1.

New features and improvements

The following new features and improvements to functionality were added:

Line Profiler

Line Profiler is now available as part of the Process module.

Bug fixes

The following bugs were fixed:
- Fixed an issue where Skip activity on IPC was not working.
- Fixed an issue where the **Products** view did not filter private content specs in the Pack or Item content spec lookup.
- Fixed an issue where the product selector does not fire an event if the lot on the Process Unit changes.
- Fixed an issue where Procop did not work.
- Fixed an issue where **mp6timeman** did not start.

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QC

Module version: 2.1.0

Changes in this release are from module version 2.0.4 to 2.1.0.

New features and improvements

The following new features and improvements to functionality were added:

Add sync button to value grades

A **Sync** button was added to the **Value grades** view which allows value grade details and results to be automatically calculated based on content specifications.
Only value grades that have the object type as material and the material has a valid item content specification can be synced. Other value grades are always considered valid.
When a value grade is not in sync with its content specification, a warning icon is displayed in the main section of the **Value Grades** view.
Users can edit detail and result values but values that don't match the calculated values are highlighted in the detail tab section of the view.

After clicking **Sync**:
- If no details or results exist for the value grade, then new ones are generated.
- If details and results already exist, they are updated based on sequence. Label and graph color values are not updated unless required, i.e. if no detail record was found that matches the sequence of the generated record, so that user-generated changes are not overwritten. To regenerate details and results, delete them and click **Sync**.

Configuration

The button is disabled by default but can be enabled in the configuration for the view, under **SyncConfig > Enabled**. Various default values that determine how the value grade details and results are generated can be set in the config for the menu item. When enabled, the button is only visible to users that have permission to edit the view.
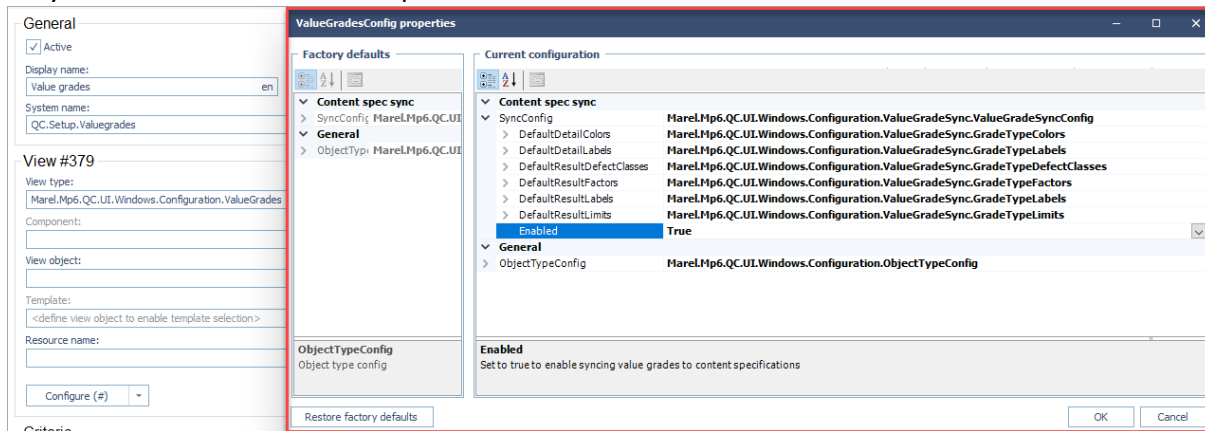
Bug fixes

The following bugs were fixed:

- Fixed an issue where sorting affected when the **Sync** button enabled/disabled and users could not sync value grades that needed syncing.
- Fixed an issue where the Sync button was enabled when opening the **Value grades** view, even when there was no content spec.
- Fixed an issue in the **Value grades** view where the values for *DefaultResultLabels* are set as "Label value" in Details, not *DefaultDetailLabels*.
- Fixed an issue where the values for DefaultResulsDefectClasses in the **Value grades** view config cause an exception and unable to update values.
- Fixed an issue where PF auto-scheduling did not work.

SensorX

Module version: 3.0.1

Changes in this release are from module version 3.0.0 to 3.0.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

- **Error when using SensorX Quick config**
  A bug was fixed in the Quick config setup that prevented queries used by QC inspection procedures, which prevented QC inspections from being created. In addition, the IPC menu for QC stations was upated to remove an unnecessary folder and the QC report install location was adjusted to the current standard location (Reports > SensorX).

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Sol.Fish

Module version: 3.1.0

Changes in this release are from module version 3.0.0 to 3.1.0.

New features and improvements

The following new features and improvements to functionality were added:

### New IPC screen to recalculate packs for POs

A new IPC screen for calculating pack weights based on QC inspection data was added, much like the **Calculate pack weights** view extension in the PO view.
On the **Calculate Pack Weights** IPC screen, users select a PO to get an overview of all the packs for the selected PO and can calculate pack weights based on QC inspection data, just like in the view extension.

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Like the view extenstion, the screen can be configured with an ice transaction path and then an additional unit operation that will run after the calculation is done on all affected packs.
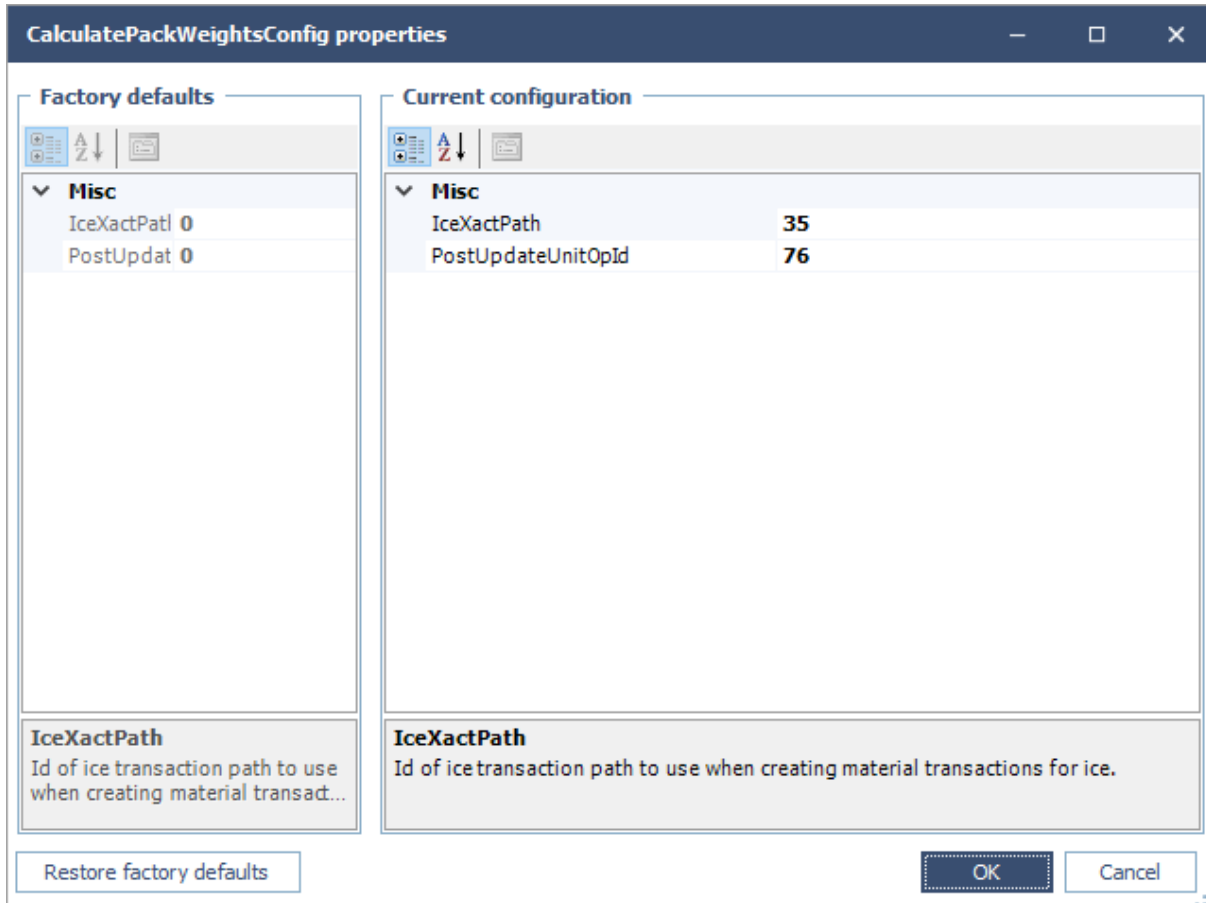
Configure extra unit op

An extra unit operation was added to print new pack labels after all packs have been updated.

Bug fixes

There are no bug fixes to report in this release.

Sol.Stork

Module version: 1.0.1

Changes in this release are from module version 1.0.0 to 1.0.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

- **Stork module not handling 0 flock correctly**
  When a "0" was received in the *flockNumber* and *productionLotId* fields, *procscales* ignored it and the data was recorded with the last lot used. Now the zero value flock number is included when validating registration for zero flocks in *TransferNetData* and *TransferTapGate* messages (*RegisterZeroFlock* property in XML configs) and the first prunit lot change for *TransferNetData* and *TransferTapGate* messages was fixed.

Trimming

Module version: 4.1.1

Changes in this release are from module version 4.1.0 to 4.1.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:
- **Dashboard refresh issue**
  Fixed an issue where the standard trimming dashboard was not populating component internal data when navigating to next page. Data was only visible in the component on the first page and page reloads were required for the data to be visible.

WPL

Module version: 2.3.0

Changes in this release are from module version 2.2.2 to 2.3.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:
- Fixed an issue where the controlling multi-comformat could not be saved and the job could not be started if the e-weighing product had two or more layouts.
- **Add support for AllowRunAll in WPL9000 GUI**
  The setting *AllowRunAll* was only available in the M6000 version of the WPL GUI. Now it is also present in the WPL9000 version of the GUI.
- **Comformat not valid - The element "printed_fields" has invalid child element"'printed_ element"**
  The WPL requires some non-standard characters (outside a-z) to be escaped with the numeric Unicode number. This was not the case for RTF text and has been fixed.
- Fixed an issue where items or packs were not registered correctly in the WPL performance log table if a shift was not defined.
- **WPL process grid shows that product is starting, but in fact the WPL is actually running with the product**
  Previously, the **Process unit** view showed the message "Starting job" even when the WPL was running. This was changed so that the message now reads "The WPL is running".
- Fixed an issue where tares were not rounding based on the device resolution.