

# iFactory 4.3 Release Notes

## iFactory Module: MES

### 1. PR-19406 First Article Inspection

**Released in Version: 1710 (4.3)**

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Module: MES VSTS ID: 28015 Tags:

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The system allows the user to identify the conditions of when a process requires FAI and which units are part of first article inspection.

The system is managing the information collection for the FAI process from the various inspection screens in iFactory.

The system is managing the execution after the FAI failed by blocking production/shipment in case of problem or certifying the line is ready for mass production.

This functionality currently only supports Lot/Batch and Repetitive process types.

Documentation available here:

<http://alfrdcmesdoc01:8090/pages/viewpage.action?pageId=17236055>

PR-19406 - Repetitive and Lot Base (Batch / Lot)

**VSTS ID: 27590**

FAI | Activating FAI Configuration

**VSTS ID: 27594**

FAI | Block production for failed FAI Event

**VSTS ID: 44662**

FAI | Block production for failed FAI Event for WIP Serials

**VSTS ID: 27671**

FAI | Closing FAI Configuration

**VSTS ID: 27587**

FAI | Create FAI Configuration

**VSTS ID: 28020**

FAI | Deactivate FAI Configuration

**VSTS ID: 27682**

FAI | Delete FAI Configuration

**VSTS ID: 27591**

FAI | Edit FAI Configuration

**VSTS ID: 27592**

FAI | FAI Event Triggered Manually

**VSTS ID: 32507**

FAI | FAI Navigation Menus

**VSTS ID: 34153**

FAI | Filter Route by Material or Assembly Type

**VSTS ID: 27593**

FAI | Including a Lot/Carrier for FAI event

**VSTS ID: 44660**

FAI | Including a WIP Serial for a FAI Event

**VSTS ID: 38887**

FAI | Override Sample Plan

**VSTS ID: 27667**

FAI | Passing or Failing FAI for a lot

**VSTS ID: 44661**

FAI | Passing or Failing FAI for a WIP serial – Manual Inspection

**VSTS ID: 27808**

FAI | Permission

**VSTS ID: 49250**

FAI | Prevent WIP Hold Release for WIP serials associated to a Failed FAI Event

**VSTS ID: 27600**

FAI | Release production after failed FAI Event

**VSTS ID: 44663**

FAI | Release production after failed FAI Event – WIP Serial

**VSTS ID: 28019**

FAI | Search FAI Configurations

**VSTS ID: 32676**

FAI | User Context Menu and Message Log

**VSTS ID: 50396**

Tech Spike: Paging for FAI Modals

## 2. PR-19537 Build and Lot tracking enhancement

**Released in Version: 1710 (4.3)**

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Module: MES VSTS ID: 29282 Tags: [JGP Phase II](#)

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Adding capability to have improved visibility of lot release to planned order.

PR-19537 - Lot Base (Batch / Lot)

**VSTS ID: 25498**

Lot - Lot View - Data Collection Tab

**VSTS ID: 10584**

Lot - Lot View - General tab with Drill downs

**VSTS ID: 6861**

Lot - Release a Lot for a Planned Order at Initial Route Step

**VSTS ID: 6860**

Lot - See Planned Orders to Release by Lot at Initial Route Step

**VSTS ID: 25491**

Lot - Update Planned Order Status

**VSTS ID: 24419**

Lot | Lot View | History tab – Pass/Fail quantity

**VSTS ID: 34399**

Rename Carrier Maintenance to Lot Move

## 3. PR-19537 Lot Workstation enhancement

**Released in Version: 1710 (4.3)**

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Module: MES VSTS ID: 29281 Tags: [JGP Phase II](#)

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Adding the following capability to Lot workstation:

- 1) Visual Aid visualization
- 2) Lot Completion Status
- 3) Product Count at Lot Workstation
- 4) Append Lot Attribute during Lot Merge

PR-19537 - Lot Base (Batch / Lot)

VSTS ID: 32554

Append Lot Attribute during Lot Merge

VSTS ID: 31364

Block Packed Carrier/Lot at Lot Transfer

VSTS ID: 33825

Lot Completion Status

VSTS ID: 31362

Lot Hold | Block on hold Lot at Lot Transfer

VSTS ID: 9040

Lot Workstation - Display Required Visual Aids

VSTS ID: 9039

Lot Workstation - Display Visual Aids

VSTS ID: 34297

Pre-Start Rules | Checkpoint Rules

VSTS ID: 33910

Product Counter (Lot)

VSTS ID: 32546

Product Counter (WIP)

VSTS ID: 32570

Station association to workstation

## 4. PR-19537 Misc enhancements

**Released in Version: 1710 (4.3)**

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Module: MES VSTS ID: 37867 Tags: [PR-19537](#)

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Feature for storing misc enhancements.

PR-19537 - Lot Base (Batch / Lot)

VSTS ID: 37868

Document Assignment | Carrier filtering

VSTS ID: 38571

Lot Transfer/Merge - Change field labels from good/bad to Pass/Fail

## 5. PR-19537 Packout enhancements

## Released in Version: 1710 (4.3)

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Module: MES VSTS ID: 29547 Tags: JGP Phase II

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Adding additional capabilities to batch production to improve traceability and unit segregation in the packout station.

The new feature is to add control on the container type in order to pack only the Lot with the same grade, same defect, same defect list or same planned order. It also enhances the ability to only able to pack scrapped WIP to the container, container content validation and control a container type to process at certain route step.

PR-19537 - Lot Base (Batch / Lot)

VSTS ID: 29001

Container | Pack Items from same planned order

VSTS ID: 29005

Container | Pack Items with Any Open Defects

VSTS ID: 29003

Container | Pack Items with same Defect(s)

VSTS ID: 29002

Container | Pack Items with same Grade (Lot Attribute)

VSTS ID: 34296

Packout | Only Pack Lots without Open Defects

VSTS ID: 34295

Packout | Scrap Container

VSTS ID: 36157

PR-19537 En-queuing Lots at packout

VSTS ID: 33266

Removal of browser prompt

## 6. PR-19712 Deviation

### Released in Version: 1710 (4.3)

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Module: MES VSTS ID: 31588 Tags:

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Deviation is used when the standard manufacturing process is temporarily changed due to customer request or decided by the operations team to address quality or resources issues. Five types of deviations are supported which are Setup Sheet deviation, Material deviation (for WIP

built using Assemble Point), Process (route step) deviation, Visual Aid deviation and General deviation where WIP is assigned to the deviation for tracking purposes only. When a WIP is associated to a deviation, it shall follow the deviation's processing conditions instead of its standard process. A WIP can be associated to multiple deviations at a given time.

PR-19712 - Repetitive, BTO/CTO

VSTS ID: 2392

1181-Equipment Setup Sheet – Deviations

VSTS ID: 17837

Configuration | Setup Sheets Deviation | Add/Remove Material or Replace Material, Module/Track or BIN

VSTS ID: 17836

Configuration | Setup Sheets Deviation | Create deviated setup from any existing setup keeping track of normal setup

VSTS ID: 17838

Configuration | Setup Sheets Deviation | Deviation Menu

VSTS ID: 17835

Configuration | Setup Sheets Deviation | Show the difference between original setup and deviated setup

VSTS ID: 15951

Deviation | 'Material' Deviation - Add Material

VSTS ID: 15950

Deviation | 'Material' Deviation - Remove Material

VSTS ID: 15948

Deviation | 'Material' Deviation - Replacement Material

VSTS ID: 34125

Deviation | Activate Deviation - Validation

VSTS ID: 14293

Deviation | Activating a deviation

VSTS ID: 14435

Deviation | Apply Deviation automatically on Assembly WIP Release

VSTS ID: 34626

Deviation | Apply Deviation automatically on Production Order WIP Release

VSTS ID: 17599

Deviation | Conditional Edit after the deviation is Activated

VSTS ID: 34003

Deviation | Copy Deviation

VSTS ID: 14294

Deviation | Deactivating a deviation

VSTS ID: 34002

Deviation | Delete Deviation

VSTS ID: 34077

Deviation | Deviation Maintenance interface (UI/UX)

VSTS ID: 14287

Deviation | Deviation Validity Period

VSTS ID: 36663

Deviation | Expired and Deactivated deviation

VSTS ID: 14437

Deviation | Manual Associate Deviation to WIP

VSTS ID: 14438

Deviation | Manual Disassociate WIP from Deviation

VSTS ID: 14439

Deviation | Material 'Visual Aid' Deviation

VSTS ID: 17810

Deviation | Material 'Visual Aid' Deviation RUNTIME (Assemble, Assy Validation & I&R only)

VSTS ID: 39704

Deviation | Material 'Visual Aid' Deviation RUNTIME (Remaining stations)

VSTS ID: 10348

Deviation | Printing Deviation Data Label

VSTS ID: 38354

Deviation | Process Deviation (Deviated Pre-Start Rule) Configuration

VSTS ID: 38544

Deviation | Process Deviation (Deviated Routing Rule) Configuration

VSTS ID: 38355

Deviation | Process Deviation (Pre-Start Rule deviation) Run-Time

VSTS ID: 38545

Deviation | Process Deviation (Routing Rule deviation) Run-Time

VSTS ID: 17811

Deviation | Remove, Replace Material RUNTIME

VSTS ID: 14291

Deviation | Restrict Deviation by Route

VSTS ID: 17787

Deviation | RUNTIME | Restrict WIP Quantity

VSTS ID: 34016

Deviation | Screen Permission

VSTS ID: 10350

Deviation | Validation to prevent run-time conflict

VSTS ID: 36775

Deviation | WIP move to another route control (WIP Maintenance)

VSTS ID: 10362

Deviation Audit Log in WIP View

VSTS ID: 10361

Deviation Level Audit Log

VSTS ID: 47039

Deviation UI Enhancement - Activate/Deactivate button to Toggle Button

VSTS ID: 17840

Runtime | Assemble | Setup Sheets deviation

VSTS ID: 17839

Runtime | Setup Sheets Deviation

## 7. PR-21100 Part Allocation - Part 3

**Released in Version: 1710 (4.3)**

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Module: MES VSTS ID: 45004 Tags:

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This feature will include following improvement:

- validation/autoremoval GRN and feeder for Preload Screen based on autoremoval GRN key configuration (this functionality, Already available in Equipment and Manual Station part allocation it is now available in preload screen as well).
- new report WIP by GRN, to show the list of WIP where the selected GRN is used
- check and verify in Assemble step is the WIP scanned as child unit has the same assembly/ver/rev configured in the related setup sheet (this is working for repetitive production only)

PR-21100 - Repetitive Functionality



VSTS ID: 45005

Assemble: WIP material in Setup Sheet [Runtime]

VSTS ID: 46390

Preload: Feeder/GRN validation

VSTS ID: 41819

Report: WIP by GRN