GE VERNOVA

Asset Performance Management
APM Classic
V4.6.11.0.0

Release Notes

Contents

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Chapter
1

Overview

Topics:

- [About Release Notes](#)

About Release Notes

The APM Release Notes describe changes in the latest product. If you are using customized database content, the behavior that you see in your system may differ from what is described here. The following types of Release Notes are included, as applicable, for each release:

- **New Features and Enhancements:** A list of new features and improvements that are being introduced in each module in the release.
- **Resolved Issues:** A list of issues that existed in previous versions of APM that have been resolved in the release.
- **Obsolete Features:** A list of features that are now obsolete as a result of changes made in the release.
- **Known Issues and Limitations:** A list of issues that exist in the latest version of APM.
- **Deferred Features:** A list of functionally equivalent features that are not included in the release, but are planned for a future release.

Chapter 2

What's New

Topics:

- V4.6.11.0.0

V4.6.11.0.0

This release does not include any new features. However, it includes fixes for issues that existed in one or more previous releases, and have been resolved in V4.6.11.0.0. For details, refer to the Release Notes .

Chapter
3

Upcoming End of Life Features

Topics:

- APM System Monitoring
- Bulk Data Form and Master Detail Form: Freeze Rows
- Content Change Management

APM System Monitoring

The APM System Monitoring feature will reach end of life and will be no longer available from release V5.0.0.0.0. This feature does not have functionalities and capabilities available in 3rd party tools and is not widely used by our current customer base. At this time, there is no plan to replace the APM System Monitoring feature in APM. We request all our customers to leverage 3rd party tools that provide similar functionality and not implement the APM System Monitoring feature for existing or future releases.

Bulk Data Form and Master Detail Form: Freeze Rows

GE Vernova is committed to continuous improvement of the user experience of APM. The bulk data form and master-detail form in Record Manager will be upgraded to use standard data grids. This enhancement enables a significant perfomance improvement and addresses a number of usability issues and enhancement requests. As a result of this change, the Freeze Rows feature will no longer be available in the bulk data form and master/detail form.

Content Change Management

The Content Change Management module will be deprecated.

Chapter
4

APM Release Notes for V4.6.0.0.X

Topics:

V4.6.11.0.0

Datasets

This topic provides a list of product changes released for this module in this version.

Table 1: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a dataset from Excel, if any cells contained formulas, such as VLOOKUP or CONCATENATE, the cells were not converted to their corresponding values. This issue has been resolved. Now, formulas are correctly converted to their values.	649927

Graphs

This topic provides a list of product changes released for this module in this version.

Table 2: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the values displayed in a Graph had a unit of measure (UOM) conversion applied, the values were displayed in the base UOM instead of the expected UOM according to the user's culture and UOM settings. This issue has been resolved.	627215

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 3: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when exporting an Equipment, the Associated Pages with submenu were not exported. This issue has been resolved.	588164

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 4: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in certain scenarios, you were unable to save Inspection Finding Checklist. This issue has been resolved.	577472

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 5: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when performing a tag synchronization using the OT Connect OPC HDA Adapter, sometimes, an error occurred, stating that the index was outside the bounds of the array. This issue has been resolved.	611055

Queries

This topic provides a list of product changes released for this module in this version.

Table 6: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Family ID Template contained a hyperlink field, the generated ID included the full anchor tag. This has been resolved. Now, the generated ID contains only the embedded text.	817531

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 7: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, on the Analysis Summary page, the Reliability Growth Plot dates were displayed in UTC. This issue has now been resolved. Now, the Reliability Growth Plot dates are displayed in the user's time zone.	612253

RBI 580

Table 8: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating an analysis on a Piping Circuit with a Criticality Calculator External Corrosion Degradation Mechanism, the Piping Circuit Complexity was erroneously calculated if the following fields were blank: • Number of Terminations • Number of Penetrations • Number of Vertical Runs This issue has been resolved. Now, in this scenario, the Piping Circuit Complexity will not be calculated. and the External Age will not be adjusted.	699911

RBI 581

Table 9: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in some RBI 581 Risk Analyses with multiple Damage Mechanism Evaluations, the Risk Summary ID and Risk Summary Description fields were not populated when the Recommended Inspection Effectiveness was calculated as "A". This issue has been resolved.	688262

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 10: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, records with field values containing the string href were not displayed in Record Manager. This issue has been resolved.	611309

V4.6.10.0.0

Documentation

This topic provides a list of product changes released for this module in this version.

Table 11: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In APM Classic V4.6.9.0.0, the APM Connect solution has undergone a technology replacement; replacing Talend with Boomi as the integration tool. The APM Connect documentation has now been updated to reflect the Boomi integration changes.	586696

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 12: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to look up an asset when applying an Asset Template from within the template, the performance was impacted. This issue has been resolved. Now, the Asset Finder functionality is used in this workflow; as a result, the performance has improved.	577465

Queries

This topic provides a list of product changes released for this module in this version.

Table 13: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you generated HTML Report for the Reliability Growth Analysis, the extrapolated section of graph incorrectly displayed the number of predicted failures. This issue has been resolved.	584204

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 14: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the URL in a Conditional Alert was internally set based on the base URL and you could not set up the Conditional Alert Email URL separately. This issue has been resolved. Now, you can provide the base URL in the `conditionalAlertBaseURL` parameter in the `C:\ProgramData\Meridium\appsettings.Global.json` file.	503482

RBI 581

Table 15: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **RBI 581 Inventory Groups** section, when you attempted to search for an inventory group in the Process Units tree, the associated components that could be linked to the inventory group were not displayed. This issue has been resolved.	562584

Security Manager

Table 16: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, for a security user photo, you could upload any file types. This issue has been resolved. Now, you can upload images in JPG, JPEG, or PNG file types.	557373

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 17: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the SIS Revision History page, the Instrumented Functions Revision record details were not listed. This issue has been resolved.	604442

V4.6.9.0.0

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 18: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add an asset to an existing Asset Criticality Analysis using Asset Hierarchy, the performance was impacted. This issue has been resolved. Now, Asset Finder functionality is used in this workflow and the performance has improved.	290580
Previously, when Risk Matrix was configured to show alias, if risk assessment was entered using the data loader, a few of the risk assessment values were not updated correctly. This issue has been resolved.	242427

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 19: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to look up an asset when creating a new Asset Strategy or applying an Asset Strategy Template, the performance was impacted. This issue has been resolved. Now, Asset Finder functionality is used in these workflows; as a result, the performance has improved.	290580

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 20: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add an asset to an existing FMEA Analysis using Asset Hierarchy, the performance was impacted. This issue has been resolved. Now, Asset Finder functionality is used in this workflow and the performance has been improved.	290580

Family Management

This topic provides a list of product changes released for this module in this version.

Table 21: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added behavior for a field, and if this behavior used fields that were not part of the child families, then the behavior inherited by the fields had an invalid configuration. This issue has been resolved. Now, if the field is available, the correct behavior is inherited. Additionally, if the field is not available in the child family, then the behavior is not spread.	83649

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 22: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Inspection Overview** workspace, when you attempted to create the Inspection Confidence Evaluation records or created the Inspection Team Member records, an error occurred. This issue has been resolved.	290534

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 23: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you imported data from a dataset, the horizontal scroll bar did not operate as expected. This issue has been resolved	249107

Mobile Proof Testing

This topic provides a list of product changes released for this module in this version.

Table 24: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now view Proof Test Tasks assigned to you in the **Mobile Proof Testing Overview** page, instead of the **SIS Management Overview** page. To facilitate this enhancement, a new tab, **My Open Tasks**, can be configured that will display Proof Test Tasks in offline mode. For more information on how to configure the new tab, refer to the KBA 000069882.	281065

Queries

This topic provides a list of product changes released for this module in this version.

Table 25: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you specified {n} as a custom hyperlink template in a query, when you selected the hyperlink, an error message appeared, indicating that the URL was not supported in the current version of APM. This issue has been resolved.	501681

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 26: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the release note published for Tracking ID DE214098 in APM Classic V4.6.6.0.0 Release Notes, incorrectly referred to the behavior of fields in the detail form, instead of the master form. This release note has been corrected to: Previously, in a Master Detail datasheet, after you changed the state of the master record, the behaviors of fields in the master form, for example, read-only, were not as expected until you refreshed the page. This issue has been resolved.	365880
Previously, in a datasheet, the warning or error message associated with a check box was not aligned correctly. This issue has been resolved.	97172

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

Table 27: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected an RBI Component in the **Unit Summary** workspace, the **Manage TML Group** button was unresponsive. This issue has been resolved.	241438

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 28: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create an analysis with primary and secondary events, the Event Timeline did not load. This issue has been resolved.	242099

V4.6.8.0.0

Action Management

This topic provides a list of product changes released for this module in this version.

Table 29: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added extra fields in the All Performance Recommendations query, the changes were not reflected in the **Recommended Actions** section in the **Action Management Overview** page. This issue has been resolved.	DE209987

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 30: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you performed an automated calibration with 2 UP or 2 DOWN calibration strategies using the Fluke 754 calibrator, the values that you entered were ignored and were not received by APM. This issue has been resolved.	DE210826
Previously, there was no option to view field history when you opened any datasheet in Calibration Management. This issue has been resolved.	DE210385

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 31: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to apply an FMEA Asset Template to an FMEA Analysis, all available Asset Templates were not displayed in the list. This issue has been resolved.	DE209043

Foundation

This topic provides a list of product changes released for this module in this version.

Table 32: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected a link containing a query parameter, and this caused the dialog box with the message `Sorry, 8 Tab Limit Reached` to be displayed, the page was refreshed. This may have caused the page to display unexpected data. This issue has been resolved.	DE211134
Previously, when you accessed some APM pages, an error message appeared, stating that the feature was not accessible, although the device met the recommended screen width for APM. This issue has been resolved. Now, the error message appears only if the browser window width is less than 768 pixels. **Note:** The recommended minimum screen width for desktop devices remains 1024 pixels.	DE210145

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 33: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could not enter negative values in Production Data. This issue has been resolved.	DE210353

Queries

This topic provides a list of product changes released for this module in this version.

Table 34: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a hyperlink in a Query, and a value returned by the query that was inserted into the hyperlink as a parameter included special characters that must be encoded (for example, ?, %, or &), the hyperlink did not work as expected. This issue has been resolved. To enable the resolution of this defect, now, when you add a manual hyperlink definition in a Query that includes an explicit parameter value containing a special character, you must enter the URL encoded value of the parameter. For example, the manual hyperlink to open a record in record manager using a datasheet with the ID `TEST?&%` must be entered as `#record- manager/{1}?datasheetid= TEST%3F%26%25`, assuming that the entity key of the record appears in column 1 of the query. However, if a parameter value used in a hyperlink appears in the query result, and is represented in the hyperlink definition by the column reference {n}, you do not need to encode it. Contact GE Digital support if you require advice on updating existing query hyperlink definitions	DE208320 DE208262 DE205676

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 35: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected the **Turn ON Help Text?** option, the help text was not displayed for fields that use the more button (🔵🔵🔵) to open a selection window. This issue has been resolved.	DE209477
Previously, when you used the Microsoft Edge browser, the drop-down list box in a multi-value field closed unexpectedly when you selected a value, resulting in incorrect values saved to the field. This issue has been resolved.	DE209423

Table 36: Obsolete Features

The following features are no longer available.

Description	Tracking ID
Due to unexpected impact on other features, the capability to copy data from fields that are locked for editing has been removed.	DE210506

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 37: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the **Promote to ASM** operation returned a blank message for Recommendations linked to different assets for the same Instrumented Function. This issue has been resolved.	DE210281

V4.6.7.0.0

Foundation

This topic provides a list of product changes released for this module in this version.

Table 38: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve product security, now, when the `Your session has expired` window is displayed, the current APM page content is hidden. Further, you can no longer cancel the dialog to return to APM; you may only proceed directly to the login page.	US601723

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 39: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the criticality assessment for an asset was zero, then the System Criticality was not updated. This issue has been resolved.	DE208619

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 40: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the risk threshold values configured in the Risk Matrix were very low with small differences between them, the risk bar displayed on the **Risks and Actions** workspace was not displayed properly. This issue has been resolved.	DE208632

Datasets

This topic provides a list of product changes released for this module in this version.

Table 41: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating a Dataset using a Microsoft Excel spreadsheet, date fields were displayed in the UTC format. This issue has been resolved. The date fields are now displayed in the format specified in the spreadsheet.	DE204271
Previously, when you attempted to create a Dataset using a Microsoft Excel spreadsheet that contained formula in the Date field, null values were imported. This issue has been resolved.	DE203829

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 42: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create an inspection, and an error occurred from rules then the error message was not displayed. This issue has been resolved.	DE208214
Previously, in the Inspection Profile record, when you entered values with single quote for the RBI Component field, the validation failed, and the record was not updated. This issue has been resolved.	DE206690

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 43: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when Worst, Critical, Target, Stretch and Best values of a KPI were retrieved from an APM Query, and when you updated the measures, the **Updated actual values/scores** section did not display any values or limits. This issue has been resolved.	DE208078
Previously, when there were multiple measurements in a single day, the KPI did not show the latest measurement. This issue has been resolved.	DE207881
Previously, on the KPI details page, in the **History** section, the **From** and **To** dates always showed January 1, 1970, and you could not set the time range. This issue occurred only in the Indonesian culture. This issue has been resolved.	DE203226

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 44: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now configure the OT Connect HDA Adaptor to use Raw reading values from the Historian for Tag Subscriptions or to use the End Aggregate reading values from the Historian. **Note:** This can be configured in `appsettings.json` file at Adapter level.	DE205321

Queries

This topic provides a list of product changes released for this module in this version.

Table 45: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you exported a query that contained asset hierarchy parameter prompts, then an error occurred. This issue has been resolved.	DE206598

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 46: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, performance has been significantly improved when you open a record with a large number of related records.	US600988

Table 47: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the bulk data form, when you added, deleted, or unlinked records, then the pagination of the bulk data form was not updated. This issue has been resolved.	DE207849
Previously, when a record was locked for editing, you could not copy the text in the fields. This issue has been resolved.	DE207439
Previously, the fields in the **Datasheet Field History** window were not properly localized. This issue has been resolved.	DE188929

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 48: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating a Reliability Growth Analysis using a query, the first and the last event date were converted to Coordinated Universal Time (UTC) for the purpose of calculation. So, the field values were not converted to the corresponding UOM or time zone and was displayed in the UTC. This issue has been resolved.	DE205934

Reports

This topic provides a list of product changes released for this module in this version.

Table 49: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the report was redeployed to the Report Server every time the report was accessed, thus it took a long time to load. This issue has been resolved. Now, a input field for Web App Name is added in the **Connections** page, if this field is configured then the reports get deployed only when the report is modified.	US606211

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and RBI 581

Table 50: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to close the RBI Analysis workspace with unsaved changes on Consequence Evaluation, Degradation Mechanism, or Degradation Mechanism Evaluation records, then no confirmation window appeared asking whether you want to save the unsaved changes. This issue is now resolved.	DE208052

RBI 580

Table 51: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the RBI Criticality Analysis, the Allowable Stress field was populated based on the Material Specification and Material Grade fields in the Tank Stress table. This issue has been resolved. Now, the Design Code and Code Year fields are also considered for populating the Allowable Stress field.	DE207712
Previously, if the PV Stress or Piping Stress reference tables contained multiple records with the same combination of Design Code, Code Year, Material Specification, Material Grade and Metal Temperature, the Allowable stress field in RBI Criticality Analysis was populated arbitrarily with one of the records returned. This issue has been resolved. Now, the record with the lowest Allowable stress value from the records returned is used to populate the Allowable Stress field.	DE207712

RBI 581

Table 52: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the PV Stress or Piping Stress reference tables contained multiple records with the same combination of Design Code, Code Year, Material Specification, Material Grade and Metal Temperature, the Allowable stress and Flow Stress fields in RBI 581 Risk Analysis were populated arbitrarily with one of the records returned. This issue has been resolved. Now, the record with the lowest Allowable stress value from the records returned is used to populate the Allowable Stress and Flow Stress fields.	DE207712

Rules

This topic provides a list of product changes released for this module in this version.

Table 53: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Rules Editor loaded slowly while opening Microsoft Visual Studio and loading Libraries. This issue has been resolved.	DE202841

State Management

This topic provides a list of product changes released for this module in this version.

Table 54: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the state assignment history displayed dates in the Coordinated Universal Time (UTC). This issue has been resolved. Now, the state assignment history displays dates in the time zone specified for your APM user account.	DE204970

V4.6.6.0.0

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 55: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a custom family as the child of another family, and included both families in the Asset Hierarchy configuration, the records in the child family did not appear in the Asset Hierarchy search results unless you were a super user. This issue has been resolved. The child family now appears in the Asset Hierarchy search results for all users with view permission for the custom family.	DE204692
Previously, if you applied a taxonomy filter, and then attempted to search for an asset by entering text, the search results did not appear. This issue has been resolved.	DE204336

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 56: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you received data from a Calibrator, in the Calibration record that was created, the custom input or custom output range values were converted using the conversion factor for milliamps to amps, thus resulting in incorrect calculations. This issue has been resolved.	DE204966
Previously, after receiving data from a Calibrator, in the Calibration Event that was created, the Calibration Start Date was later than the Calibration End Date. This issue has been resolved.	DE204900

General Dashboards

This topic provides a list of product changes released for this module in this version.

Table 57: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to resize the width of the Hyperlinks widget, there were alignment issues. This issue has been resolved.	DE203451

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 58: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating a D1-Unplanned Forced Immediate Derating Primary Event and then adding a Contributing Event, the Gross Available Capacity and Net Available Capacity values for the Contributing Event were not calculated as expected. This issue has been resolved. Now, the calculation has been corrected.	DE203814

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 59: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
Performance has been enhanced when deleting records from the **Inspections**, **Tasks**, or **Work Packs** sections of the **Inspection Management Overview** page.	US594317
To enhance usability, PRD Pop Test Checklist now supports multiple Degradation Mechanisms. To facilitate this enhancement, Inspection Confidence Evaluations(ICE) can be enabled for PRD Pop Test Checklist and can be accessed from Inspection Confidence tab of the Inspection workspace. To enable ICE records for PRD PopTest Checklist, refer to KBA 000068737.	US588830

Table 60: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you had included a Boolean field in an Offline Form, after you downloaded an Inspection in Inspection Field Data Collection, you could not select or clear the check box corresponding to the Boolean field. This issue has been resolved.	DE203653
Previously, when you created an Inspection Confidence Evaluation record in the Inspection Details section and populated the RBI Component field prior to saving, and then when you attempted to update the record after saving, the update failed. This issue has been resolved.	DE203456

Queries

This topic provides a list of product changes released for this module in this version.

Table 61: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to run a **Show totals** query that contained Meridium datetime function, an error occurred, and the export failed. This issue has been resolved.	DE204314

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 62: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in a Conditional Alert datasheet, in the Fixed Distribution List and Optional Distribution fields, when you add a new user, you need not reselect the existing users. The new user is appended to the list of existing users.	US595794

Table 63: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a Master Detail datasheet, after you changed the state of the master record, the behavior of fields in the master form (for example, read-only) was not as expected until you refreshed the page. This issue has been resolved.	DE204748
Previously, in the **Recommended Actions** section, when you entered a value in a field, the message appeared in an incorrect location on the UI. This issue has been resolved. Now the message appears below the field.	DE202952
Previously, in a bulk data form, you could not type a value directly into a date field. This issue has been resolved.	DE203002
Previously, in a Master Detail datasheet, the **Reference Documents** option was not displayed in the More Options menu (⁞). This issue has been resolved.	DE202360

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and RBI 581

Table 64: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability of the RBI Components to TML Groups Relationship Data Loader, the loader now prevents the creation of relationships if the Asset Corrosion Analysis has not been calculated. The Data Loader can be re-executed after the Asset Corrosion Analysis has been calculated in the Thickness Monitoring module.	US593765

RBI 580

Table 65: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, PRD Pop Test Checklist now supports multiple Degradation Mechanisms. To facilitate this enhancement, Inspection Confidence Evaluations(ICE) can be enabled for PRD Pop Test Checklist and can be accessed from Inspection Confidence tab of the Inspection workspace. To enable ICE records for PRD PopTest Checklist, refer to KBA 000068737.	US588830

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 66: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to access RCA Preserve records for an in-progress or a published analysis, an error occurred. This issue has been resolved.	DE204984

SAP Adapters

This topic provides a list of product changes released for this module in this version.

Table 67: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, during the Work Order generation, if the Task Details contained multiple blank lines (EOL), an error message appeared, and the Work Order was not generated. This issue has been resolved.	DE204007

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 68: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, for an Instrumented Function, if you changed the associated SIL Assessment to a different one, the Risk Reduction Factor and other values were not displayed correctly in the **Assessment Details** subsection in the **SIL Assessment** section. This issue has been resolved.	DE202323
Previously, in the **SIL Assessment** section, if the Required Probability of Failure field contained a value with more than 3 decimal places, the value was displayed only up to three decimal places. This issue has been resolved.	DE202321
Previously, when you tried to create an SIS Proof Test, sometimes, Functional Test Details were not created. This issue has been resolved.	DE201528

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 69: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in the **Measurement Data Entry** workspace, the width of the **TML ID** column is now automatically adjusted based on the length of the TML ID. To facilitate this enhancement, the following changes have been made: • For TML IDs up to 80 characters in length, the ID is displayed as is in the **TML ID** column. • For TML IDs greater than 80 characters in length, first 80 characters are displayed in the **TML ID** column. To view the complete TML ID, you can pause over the TMLID field.	US597908

V4.6.5.0.0

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 70: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in Asset Criticality Analysis, the **RBI Asset View** option **Sent To** was disabled for a Functional Location. This issue has been resolved. Now, the **RBI Asset View** option is available for both, Equipment Location and Functional Location.	DE200672

Datasets

This topic provides a list of product changes released for this module in this version.

Table 71: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Family Management

This topic provides a list of product changes released for this module in this version.

Table 72: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting had a culture other than English, you could not see the translated value for associated pages.This issue has been resolved. Now, you can use to set the translation value for the associated pages.	DE200659

Foundation

This topic provides a list of product changes released for this module in this version.

Table 73: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
To address a known vulnerability in the third-party library, all references to JQueryUI have been removed from the APM code.	DE198881

General Dashboards

This topic provides a list of product changes released for this module in this version.

Table 74: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to open a query from the Query widget, if the percent (%) wildcard character was used in a query parameter, the parameter was incorrectly encoded and the query results did not appear as expected. This issue has been resolved.	DE199712

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 75: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, you can now disable and assign a value in the **OMC Event** check box based on the cause code selected. To facilitate this enhancement, the OMC Event field is always disabled and automatically populated based on the OMC Cause Code selected.	US582126
To enhance usability, you can now validate the zero value in the Derate Amount field in the primary event record while adding or updating values. To facilitate this enhancement, required field validation has been added for Derate Even Types to the respective Derate Amount field rules and validation check has been added in the before insert and before update family policies of the Primary Event family. For more information, refer to KBA at https://digitalsupport.ge.com/s/article/GAA-Power-Validation-needed-for-Zero-Derate-Amounts-for-Derate-Event-Types.	US582118
To enhance usability, when you add a unit and then select **Show Unit Summary**, the unit names are now sorted in alphabetical order in the **Units** window.	US582105

Graphs

This topic provides a list of product changes released for this module in this version.

Table 76: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 77: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, partial export of a file did not work. This issue has been resolved. You can now download partially exported files.	DE198487

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 78: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To prevent timeout errors, the performance of Inspection Management Data Loaders has been improved. Now, when you upload Inspection Recommendation using the Inspection Management Data Loader, and if large number of users are available in the Author name of the Inspection Recommendation family, the records are uploaded without any timeout errors.	DE189043

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 79: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a new scenario, it was added to the starting of the list, and the alphabetical sorting was not maintained. This issue has been resolved.	DE198237

Management of Change

This topic provides a list of product changes released for this module in this version.

Table 80: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to add Changed Elements to a Change Project in MOC, the APM Family list was not displayed in the APM Japanese language environment. This issue has been resolved.	DE199128

Maps

This topic provides a list of product changes released for this module in this version.

Table 81: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 82: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Manage Cube** page, you could not add a Security User or Security Group in the **Privileges** section; the Security User or Group was removed after saving your changes. This issue has been resolved.	DE200891

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 83: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when an OT Connect Adapter attempted to store reading values, if the corresponding Tag ID was not found in the local cache, an unhandled exception in the Adapter Service occurred. This issue has been resolved. Now, the Tag is added to the local cache along with the prior reading.	DE200182

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 84: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To ensure that content protection and revert to baseline features operate as expected, you can no longer modify the Name field in a baseline Policy record. **Note:** If you have already modified the name of a baseline Policy, you can no longer modify the name. However, if you revert the Policy to baseline, the name will be reverted to the original name.	US580871

Table 85: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the ActiveMQ server failed over or was restarted, scheduled policy executions were not executed as expected. This issue has been resolved.	DE201019
Previously, if you selected a language preference other than English, or if you customized the English captions for the **Active** and **Locked** columns in the Policies and ModuleWorkflow Policies lists, no values appeared in these columns. This issue has been resolved.	DE199037

Queries

This topic provides a list of product changes released for this module in this version.

Table 86: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a prompt contained multiple fields, and one of the initial fields does not include any record from prompt result set, the remaining parameters were not loaded. This issue has been resolved.	DE201083
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 87: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected **External Network** in the **Edit Document Path** window for a Reference Document, the list of folders and files appeared in random order. This issue has been resolved. Now, the folders and files are sorted alphabetically.	DE199871
Previously, when you executed a Conditional Alert that used a query containing prompts, the query was not processed and the Conditional Alert email was not sent. This issue has been resolved.	DE199635
Previously, email notifications sent using conditional alerts contained an incorrect hyperlink. This issue has been resolved.	DE188901

Reports

This topic provides a list of product changes released for this module in this version.

Table 88: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a Japanese user attempted to open an RCA Comprehensive Analysis SSRS report, an error occurred. This issue has been resolved. Now, the user can open the report without any errors.	DE199148
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

Table 89: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The Final Damage Factor for RBI 581 Cracking Damage Evaluation and RBI 581 External Cracking Damage Evaluation now adheres to API 581 3rd Edition, Addendum 1. The Final Damage Factor will now have a maximum value of 5000.	US582333, US576632

Table 90: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in Recommendation panel, translation for the text "Months" was based on culture setting of login user instead of language setting. This issue has been resolved.	DE197845

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 91: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting was English or Japanese, when you sent an RCA link via email from the Communicate Findings tab, the link in the email incorrectly redirected the user to a web browser, and an error message appeared. This issue has been resolved.	DE200357
Previously, when loading the Root Cause Analysis tabs like 5 Whys, Logic Tree, or Event Timeline, there were some timeout issues or lag in page loading . This issue has been resolved. The pages now load without time out errors.	DE199624

Description	Tracking ID
Previously, there were multiple issues when adding Event Timeline Events: • A timeout error occurred until the page was refreshed. • When adding multiple events, the event timeline was momentarily shown at random places until the page was refreshed. • Navigating between different screens (event diagram and logic tree) returned an error. • Blank error appeared with no description. These issues have been resolved. The page now loads without errors.	DE199139
Previously, when you navigated between Event Diagram, 5 Whys, Logic Tree, or Event Timeline tabs, random error messages appeared, which were not informative. This issue has been resolved. Now, the error messages do not appear when you navigate between the tabs.	DE197705
Previously, if an RCA Preserve Item record was assigned to a team member without a first name, the team member was not listed in the **Preserve Records** workspace. This issue has been resolved.	DE197418

R Scripts

This topic provides a list of product changes released for this module in this version.

Table 92: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a report, an article used to appear for the item type in the Catalog. This issue has been resolved. Now, the article has been removed from the Catalog.	DE197572

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 93: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, on the **LDAP** page, if the **LDAP Sync Domain Settings** box was set to **Deactivate Unsynced Users**, after the LDAP synchronization was run, some of the synchronized users were incorrectly deactivated. This issue has been resolved. To facilitate this fix, the comparison between LDAP users and APM users is now case-insensitive.	DE199796
Previously, while using the APM application installed on a non-English language OS like Japanese, when a user tried to change the default language or default culture from User Defaults page, the user encountered an error and could not change the default value. This issue has been resolved. Now, the user can change the user defaults without any error.	DE199534

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 94: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **SIL Assessment** window, when you attempted to create a LOPA Internal Assessment, and if you updated the value for the Spurious Trip Limit (per yr) field, and then saved the LOPA Assessment datasheet, the value for the Spurious Trip Limit (per yr) field was reset to the default value 0.01. This issue has been resolved.	DE177093

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 95: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting had a culture other than English, you could not see the translation for the sub menu title under Thickness Monitoring. This issue has been resolved.	DE200658
Previously, when you inactivated all Thickness Measurement Locations for an asset, the **Next Date** field in the Thickness Monitoring Task record was not set to null. This issue has been resolved.	DE198136

V4.6.4.0.0

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 96: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a custom family as the child of another family, and included both families in the Asset Hierarchy configuration, the records in the child family did not appear in the Asset Hierarchy search results. This issue has been resolved. The child family now appears in the Asset Hierarchy search results if you have enabled the search functionality for the child family.	DE196611

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 97: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to consolidate recommendations through the Recommendations window, after you selected **Merge Remaining Unselected**, and then selected **Consolidate**, the spinner continued for an indefinite time span. This issue has been resolved.	DE196296
Previously, while implementing an action as an EAM Maintenance Plan, if the action record included special characters, the CSV file did not generate correctly. This issue has been resolved.	DE196251
Previously, when an asset strategy was linked to a large system strategy, activating the strategy took longer than expected. This issue has been resolved.	DE195324

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 98: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the documentation for installing the GE Digital APM Mobile Application on an iOS Device was incorrect. This issue has been resolved.	DE197199

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 99: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the Calibration Management workflow, using Record Manager, you can now link multiple Calibration Tasks to a single Calibration Template.	US572236

Documentation

This topic provides a list of product changes released for this module in this version.

Table 100: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the documentation for installing the GE Digital APM Mobile Application on an iOS Device was incorrect. This issue has been resolved.	DE197199

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 101: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when loading an FMEA Analysis Template that has multiple virtual assets, the data did not load correctly. This issue has been resolved.	DE193982
Previously, if you created an FMEA Analysis using the Failure Modes and Effects Analysis (FMEA) Data Loader, the Failure Mode ID in the RCM FMEA Failure Mode record was incorrect. This issue has been resolved.	DE196549

Family Management

This topic provides a list of product changes released for this module in this version.

Table 102: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to modify a datasheet that has the Tabular layout, you could insert a new field only at the bottom of the datasheet. This issue has been resolved. Now, you can add a field anywhere in the datasheet.	DE196599
Previously, when creating an offline form, if you selected more than nine fields in the **Offline Form Builder**, the sequence in which the fields were arranged did not appear correctly in the offline datasheet. This issue has been resolved.	DE194864
Previously, when you attempted to import a relationship family in APM, an error occurred and the import failed. This issue has been resolved.	DE192791

Foundation

This topic provides a list of product changes released for this module in this version.

Table 103: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the **Entity ID** field contained more than 255 characters, then the characters were truncated from the starting, instead of being truncated from the end. This issue has been resolved.	DE195344

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 104: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, when you create a primary event of the U1 type (that is, Unplanned (forced) Outage - Immediate) for a unit that reports to NERC, the **Amplification Code** box contains only the following codes: • T1 • T2 • 84	US555371

Table 105: Resolved Issues

The following issues have been resolved.

Description	Tracking ID
Previously, the calculation of Forced Outage Rate in the product documentation was incorrect. This issue has been resolved.	DE196675
Previously, when you attempted to import an Event 07 report, and if there were any contributing events, the import was not successful. This issue has been resolved.	DE192773

Table 106: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
While creating or modifying a Primary Event, if you set the Capacity Event Type to U1 and Amplification Code to 84, a message, asking you to select T1 or T2 as the Amplification Code when you have a confirmed cause of event, does not appear.	DE197558

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 107: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to create a LOPA from a Hazards Analysis Consequence, sometimes, an error occurred. This issue has been resolved.	DE196635

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 108: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, Checklist Findings did not get created for the Checklist Inspection Template family through the Inspection Management (IM) Data Loaders. This issue has been resolved now.	DE195911
Previously, when viewing the Genera Findings and Sub-Inspections in the **Inspection Details** section, the scroll bar did not work. This issue has been resolved.	DE190181

Maps

This topic provides a list of product changes released for this module in this version.

Table 109: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a Map query returned more than 1,000 rows of data, only the first 1,000 points were displayed on the Map. This issue has been resolved. Now, the Map displays up to 3,000 points. **Note:** On mobile devices, the maximum number of points displayed on the Map remains 500.	DE190275

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 110: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the browser language was not set to English (United States) in the browser settings, the data was not displayed in the trend-line chart of a KPI. This issue has been resolved.	DE178397

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 111: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you upgraded an OPC server, and if folders from the older version were retained, an error occurred. This issue occurred because the OPC DA Adapter and OPC HDA Adapter for OT Connect traversed the folders in the OPC server. This issue has been resolved. To facilitate this fix, you can now configure the Adapters to ignore specific folders when retrieving data from the OPC server.	DE196329
Previously, when the OT Connect Adapter processed several requests simultaneously (such as retrieving reading values using policies), sometimes, an error occurred, stating that index was outside the bounds of the array. This issue has been resolved.	DE193829

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 112: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your APM system used an Oracle schema, when you attempted to sort the execution history on the Summary column, an error occurred and the sorted list was not displayed. It is not possible to fully address this issue due to performance limitations. Now, if your APM system uses an Oracle schema, when you attempt to sort on the Summary column, a message is displayed requesting you to sort on a different column.	DE191242

Queries

This topic provides a list of product changes released for this module in this version.

Table 113: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created an Update query in the **SQL** workspace, and then switched to the **Design** workspace, the error message stated object reference error, instead of stating that sub-select queries could not be displayed in the **Design** workspace. This issue has been resolved. Now, the error message conveys the correct message.	DE195351

R Scripts

This topic provides a list of product changes released for this module in this version.

Table 114: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
APM now supports Rserve (http://rforge.net/Rserve/), used with an open-source R Server distribution, for execution of R Scripts in Policy Designer and Family Policies, in addition to the previously supported R server options.	US566965

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 115: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you opened a datasheet and immediately selected the More Options button (⦙), the **Reference Documents** link did not appear. This issue has been resolved. Now, the **Reference Documents** link appears, but the number of linked Reference Documents appears after a short time.	DE196907
Previously, when you tried to view the data copied from a datasheet through the result grid, multiple spaces between the copied words were reduced to a single white space. This issue has been resolved.	DE195721
Previously, if you created a customized dialog box, the **OK** and **Cancel** buttons were not translated. This issue has been resolved	DE193285
Previously, when you created a new user, and then accessed a record for the Conditional Alert family, the user did not appear in the **Alert Owner** drop-down list box. This issue has been resolved. Now, the More Options icon (⋯) has been added in the **Alert Owner** field, which opens a window displaying all users for the Conditional Alert record site.	DE193214
Previously, if you selected a master detail datasheet for a record in a family using a state machine and attempted to change the state of the record, incorrect values were displayed in the datasheet and you could not save the record. This issue has been resolved.	DE192792

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 116: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Scenario Diagram of a System Reliability Analysis, when you selected the Edit icon ✎ for a node and then navigated to a different node without making any changes, the **Unsaved Changes** window appeared, preventing you from editing other nodes. This issue has been resolved.	DE192788

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580

Table 117: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Design Temperature value was less than the minimum value of Metal Temperature in the Piping Stress or PV Stress reference table records, the Allowable Stress field in an RBI Criticality Analysis was calculated incorrectly. This issue has been resolved. Now, if the Design Temperature value is less than the minimum value of Metal Temperature, then the Allowable Stress field is calculated based on the minimum value of Metal Temperature.	DE190851

RBI 581

Table 118: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Design Temperature value was less than the minimum value of Metal Temperature in the Piping Stress or PV Stress reference table records, the Allowable Stress and Flow Stress fields in an RBI 581 Risk Analysis were calculated incorrectly. This issue has been resolved. Now, if the Design Temperature value is less than the minimum value of Metal Temperature, then the Allowable Stress and Flow Stress fields are calculated based on the minimum value of Metal Temperature.	DE190851

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 119: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, for a measurement step based on a numeric picklist type, the reading values were not displayed in the **Instance History** page. This issue has been resolved.	DE196913

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 120: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when the LDAP synchronization process was completed, if a user belonged to a group that was not under the root directory of the Microsoft Active Directory, the group was not synced for the user in APM. This issue has been resolved.	DE193480

Single Sign On

This topic provides a list of product changes released for this module in this version.

Table 121: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance security, if SSO is enabled and Single Logout is configured, when you log out of the GE Digital APM mobile application, you are logged out of the third-party identity provider (IDP) application as well. Therefore, when you attempt to access the APM mobile application the next time, you are first redirected to the IDP login page where you must enter your SSO credentials again to log in.	US553463

Table 122: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to access the GE Digital APM mobile application using Single Sign-On (SSO), the login failed on devices using Android 12 and later versions. This issue has been resolved. Now, you can log in using SSO after ensuring that the third-party cookies are tagged with the `SameSite=None` and `Secure` attributes.	DE196032

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 123: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to import a recently created Exida project file with the .exp extension into APM, an error occurred, and the import failed. This issue has been resolved.	DE194975
Previously, for a Proof Test Template, Delete, Add New, Add Existing Proof Test Template Detail buttons were enabled even if the Proof Test Template was in any other state other than Development. This issue has been resolved.	DE177091

V4.6.3.1.0

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 124: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you tried to view the data copied from a datasheet through the result grid, multiple spaces between the copied words were reduced to a single white space. This issue has been resolved.	DE195374

V4.6.3.0.0

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 125: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a new scenario to the Asset Strategy Optimization (ASO), there was no indication that the operation was in progress. This issue has been resolved. Now, a spinner appears until the scenario is added.	DE191564

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 126: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a Calibration Profile record and selected the site as Global, you were unable to link assets from different sites. This issue has been resolved. Now, you can link assets based on user-assigned sites.	US555756

General Dashboard

This topic provides a list of product changes released for this module in this version.

Table 127: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you applied a filter to a dashboard containing a Query widget, and then opened the query in a new tab, some of the filter parameters were not applied in the query tab. This issue has been resolved.	DE189465

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 128: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you attempt to import the NERC GADS Event Report 07 containing Contributing Events, an error occurs and the import fails.	DE192773

Hazard Analysis

This topic provides a list of product changes released for this module in this version.

Table 129: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Team Members section in a Hazard Analysis, you were able to update only one team member role at a time. This issue has been resolved.	DE186431

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 130: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Developers license was inactive, the custom families and fields were not imported. This issue has been resolved.	DE188440
Previously, when you attempted to import records and links from a CGU file, a message appeared indicating that the import was successful. However, the metadata was not saved in the database. This issue has been resolved.	DE183538

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 131: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected a Functional Location from the Asset Hierarchy and then created an Inspection Profile, the Inspection Profile was not displayed, and you were unable to add it to the Inspection Task when defining the scope. This issue has been resolved.	DE192107

Management of Change

This topic provides a list of product changes released for this module in this version.

Table 132: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, even if the **Keep History** check box was selected for a field, the **History** option did not appear in any of the datasheets in MOC. This issue has been resolved.	DE188261

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 133: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled multiple policies to execute at the same time, some policies were not executed, even though the scheduled jobs were completed successfully. This issue has been resolved.	DE190019

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 134: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a Production Analysis using the Production Analysis Builder, the resulting analysis did not include any data. This issue has been resolved.	DE185312

Queries

This topic provides a list of product changes released for this module in this version.

Table 135: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when exporting a query result, the export process occurred in the same workspace, and you were unable to perform any other task until the export was completed. This issue has been resolved. Now, the query export opens in a new window.	DE184969

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 136: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you had configured an Associated Page Link to create a New Family Record and if the Family ID contained any spaces in the ID, and you attempted to access the Associated Pages from the Record Manager, an error occurred. This issue has been resolved.	DE187823
Previously, in the Record Explorer Details page, when you selected the hide icon on the Record Explorer pane, in the Master Detail datasheet the fields with a drop-down list were misaligned. This issue has been resolved.	DE187118
Previously, when you updated the value of a field in a record, causing the previously selected drop-down list option in a dependent field to become invalid, the dependent field value was labelled as inactive. This issue has been resolved. Now, in this case, the dependent field value is cleared.

As a result of this change, if you delete or inactivate a predefined value used in the drop-down list for a field, and you view an existing record using that value, a null value is displayed in the datasheet. This reverts the change implemented in V4.6.0 with Tracking ID DE137420. | DE184974 |

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 581

Table 137: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when the Operating Temperature field of an RBI 581 External Damage Evaluation was greater than 90 degrees Fahrenheit, the Calculated Corrosion Rate field was not set to the most conservative value from Table 15.2 (Corrosion Rates for Calculation of the DF-External Corrosion) of the RBI 581 Specification. This issue has been resolved.	DE190815

Risk Matrix

This topic provides a list of product changes released for this module in this version.

Table 138: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Risk Rank was not displayed even when the **Hide Numeric Risk Rank?** checkbox in the Risk Matrix was not selected. This issue has been resolved.	DE185438

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 139: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when importing a Hypothesis into a Logic Tree Diagram, you could not reassign the associated Verification to a team member in the imported Hypothesis. This issue has been resolved. Now, you can reassign the Verification to a team member in the original or imported Hypothesis.	DE191568
Previously, in the **My Analyses** section of the **RCA Overview** page, when you selected a published analysis, the Publish button disappeared and could not be restored until the page was refreshed. This issue has been resolved.	DE190133
Previously, when you accessed a published analysis, you were not able to see the datasheet for the analysis. This issue has been resolved.	DE189792
Previously, when you accessed a Root Cause Analysis, and then accessed a second analysis in a new tab, the Site Reference Key for the second analysis was updated incorrectly to reflect the site information of the first analysis. This issue has been resolved.	DE186183
Previously, when you attempted to send an RCA email notification for Preserve Records, the received URL did not navigate the user to the source analysis. This issue has been resolved.	DE183318

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 140: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Rounds Pro Mobile application, the username was case sensitive if you had APM Database on Oracle. This issue has been resolved. Now, the username is not case sensitive for all the supported databases.	DE187664
Previously, in the Rounds Pro Mobile application, when you created Rounds Pro Steps using the Step Template functionality, the Asset ID was not displayed correctly. As a result, the steps appeared in two different groups, though they belonged to the same Asset. This issue has been resolved.	DE187523
Previously, when you selected **Create Work Request** and attempted to upload recommendations from the Rounds Pro Mobile application, the request failed in the EAM system. This issue has been resolved.	DE186891
Previously, if the APM Database Server had more than 1000 users, and you assigned any user to a route master, an error occurred. This issue has been resolved.	DE184581

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 141: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **SIL Analysis** section, when you attempted to import exSILentia files from Exida, some of the EXP files were not imported. Additionally, when you used Triconex Tricon in the Protective Instrument Loop as a Logic Solver device, the loop calculation failed. These issues have been resolved.	DE192293
Previously, when you navigated between multiple SIL Analyses and attempted to create an Instrumented Function, the application stopped responding and you had to refresh the page to continue. This issue has been resolved.	DE189892

State Management

This topic provides a list of product changes released for this module in this version.

Table 142: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to transition the state of a record, the users were not validated, which resulted in validation errors. This issue has been resolved.	DE190093

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 143: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the TM Dataloggers page, when you attempted to search for TMLs in the **Select TMLs** pane, which already displayed a list of TMLs, the search did not return the correct values. This issue has been resolved.	DE186432

V4.6.2.0.0

Action Management

This topic provides a list of product changes released for this module in this version.

Table 144: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, custom columns that you added in the Recommended Actions tab were not visible. This issue has been resolved.	US541383
Previously, in the **Implement Actions** section, you were unable to implement an EAM Maintenance Plan when you selected actions from more than one asset. This issue has been resolved.	DE178296
Previously, when you attempted to create a recommendation record and entered an invalid value in a field, the field was not validated, and the record was not saved. This issue has been resolved.	DE177957

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 145: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Spring4Shell vulnerabilities, CVE-2022-22965 and CVE-2022-22963, impacted the APM Connect Base V3.0.0 and UDLP V3.1.0, released with the APM V4.6.0.0.0. This issue has now been resolved by using the mitigation libraries.	US538741
Previously, the log4j2 security vulnerability, CVE-2021-44228, impacted the APM Connect Base V3.0.0 and UDLP V3.1.0, released with the APM V4.6.0.0.0. This issue has now been resolved by using the mitigation libraries.	US519944

APM Installation

This topic provides a list of product changes released for this module in this version.

Table 146: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Revert to Baseline tool for state machines did not display the baseline states correctly. This issue has been resolved. Additionally, the UI access to the tool has also been enhanced.	DE181475

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 147: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to save a query-based group containing five assets or less as a static group, the group was created but the assets were not added to the group, and the Asset Group service may have shut down or its performance may have been degraded. This issue has been resolved.	DE180939

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 148: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now have more control on handling the unsaved results and unfinished tasks while performing **Send to Calibrator** using **Fluke 74x- 75x** or **Fluke 729 FC** Calibrators and also after performing **Receive from Calibrator**. To facilitate this enhancement: • A new preference setting **Enable Fluke Task Management** has been added in the **Admin** section under **Automated Calibration Settings** tab to activate the enhanced workflow on handling the unsaved results and unfinished tasks. • A new option is added in **Send to Calibrator** screen to save the results to APM and to reload the unfinished tasks back to Calibrator. • A new option is added in **Receive from Calibrator** screen to erase the results from Calibrator after saving the results to APM.	US527937

Family Management

This topic provides a list of product changes released for this module in this version.

Table 149: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, with configuration and subsequent configuration changes, Family Metadata showed as duplicated. This issue has been resolved.	DE176442
Previously, if you added custom fields that used SAP RFC integration to select the Work Center or Work Center Plant to a family, when you opened the family datasheet outside the Asset Strategy Integration module and accessed the Select a Work Center or Select a Work Center Plant window, no scroll bar appeared in the Search Results tab. This issue has been resolved.	DE176345

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 150: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to generate the NERC GADS Event Report 07 or NERC GADS Performance Report 05, an error message appeared, and the reports were not submitted unless you manually formatted the fields that caused the error. This issue has been resolved. Now, the NERC Reports are generated as expected and you do not have to reformat the report content.	DE181072
Previously, if an Event spanned across multiple years, there was a gap in the Event time between the end of year and start of new year. This issue has been resolved. Now, you can select the **End Date Is Estimated?** check box, which will set the correct time in the End Date field.	DE178406
Previously, if you entered a decimal as the value of the Unit Capacity record, the value was not recognized during performance calculations and the Performance Record was not updated. This issue has been resolved.	DE178064

General Dashboard

This topic provides a list of product changes released for this module in this version.

Table 151: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the Hyperlink **Edit Widget** window in the **Edit Mode** and selected **browse**, the **Next** and **Cancel** buttons did not appear as the scroll bar was missing. This issue has been resolved.	DE176239

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 152: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, users with the MI Inspection group permissions added to their security roles were unable to create an Asset Technical Data. This issue has been resolved.	DE178132

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 153: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when an asset was linked as a primary element, the **Link to Hierarchy** was passing the entity key of the LCC element to the hyperlink and an error message appeared. This issue has been resolved.	DE180395

Queries

This topic provides a list of product changes released for this module in this version.

Table 154: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to export the query results of an unformatted query, the exported data was different from the actual query results for the fields with Units of Measure (UOM) conversions. This issue has been resolved.	US529272
Previously, if your culture setting was set to a language other than English, and you accessed the Query Results, the message text **Drag a column header here to group by that column** was not translated to the language based on your culture setting. This issue has been resolved. For more information on enabling translation, refer to KBA 000039427.	DE179290
Previously, you were unable to run a single query to delete multiple records that are linked to the same successor record in the relationship family. This issue has been resolved.	DE178642

Table 155: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you attempt to create a cascading query, the **Enter Parameter Values** window keeps refreshing continuously and you are unable to update any field in this window.	DE176729

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 581

Table 156: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating a Thinning and Lining Damage Mechanism Evaluation where the Cladding field was set to true in the parent RBI 581 Risk Analysis, the Expected Metal Loss Fraction (Art) field was calculated using the incorrect cladding corrosion rate based on the Selected Base Material Corrosion Rate field. This issue has been resolved. Now, the Expected Metal Loss Fraction (Art) field is calculated using the cladding corrosion rate based on the Selected Cladding Material Corrosion Rate field.	DE181237
Previously, when an RBI 581 Risk Analysis had both Thinning Damage and Lining Damage Mechanisms, and the Governing Damage Mechanism between Thinning and Lining differed on the Plan Date without Inspection and Target Inspection date, the Damage Factor with Plan was calculated incorrectly. This issue has been resolved.	DE175930
Previously, as a multiple site user, when you created an RBI 581 Inventory group, the site was set based on the users default site instead of the Process Units site. This issue has been resolved. Now, a newly created RBI 581 Inventory Groups site is set based on the Process Units site.	DE175352

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 157: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, for Reference Documents, you can now specify the network path for a folder in the Document Path field.	US525100

Table 158: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the **Do not Include** field in a conditional alert contained a value, the data in the email message was not formatted correctly. This issue has been resolved.	DE181476
Previously, when you attempted to view a custom datasheet, if the help text was longer than the width of the field, it did not wrap correctly, and resulted in the help text being displayed under or over other elements. This issue has been resolved.	DE180065

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 159: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in System Reliability, when scenarios with very short action intervals are run in Monte Carlo simulation, the simulation will take a long time to complete. This issue has been resolved. Now, if you attempt to create an action interval of one hour or less, a message will appear stating that simulations with action intervals of less than one hour are not permitted.	DE180465
Previously, when running Monte Carlo simulations, it was possible for a simulation to run indefinitely without completing. This restricted the server space for other users and for other queued simulations. This issue has been resolved. Now, a configurable limit of four hours has been set for a simulation run; once this limit is reached, the simulation run will be terminated.	DE180463

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 160: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you sent an asset to RCM Analysis, if you had permissions only for the Strategy User and Foundation User roles, the risk details for **Failure Effect** were not filled in automatically. This issue has been resolved.	DE177944

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 161: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to navigate through a Route, a timeout error appeared while loading the dashboard. This issue has been resolved.	DE178506
Previously, in the APM mobile application, if the **Culture** setting was Spanish, and you entered a reading value as a decimal with a comma separator, the comma was removed. This issue has been resolved.	DE176325
Previously, after you completed taking readings on a Route, if you did not mark the Route done, the Route disappeared from the **Overdue Items** section. This issue has been resolved.	DE176011

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 162: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Table 163: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
If a route has more than 500 steps (irrespective of the number of assets), the **Expand All** functionality in the Sequence Route section will be disabled. Workaround: Expand one asset at a time.	US535222
In the **Rounds Pro Manager** page, when you attempt to clear the applied filters at once, the filters are not cleared. Workaround: Select ✕ for every individual column to clear the applied filter.	DE175456

Rules

This topic provides a list of product changes released for this module in this version.

Table 164: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you added a new field in a child family, the rules file was not generated for the newly added field. This issue has been resolved.	DE177203

Search

This topic provides a list of product changes released for this module in this version.

Table 165: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in Advanced Search, you can now edit an existing search condition in the **Conditions** section. To facilitate this enhancement, a new edit icon ( ) appears in each condition box in the **Conditions** section.	US541827

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 166: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a new Conditional Alert record, if you selected an email recipient from the Fixed Distribution or the Optional Distribution List drop-down list box, and then saved the record, the Conditional Alert email was not sent to the recipient. This issue has been resolved.	DE181474
Previously, when you ran the LDAP synchronization process with the **Enable Password Change** setting enabled, the synced users were unable to log in to the APM, and an error message appeared indicating that the user's password has expired, even though the password had not expired in the Active Directory. This issue has been resolved. Additionally, if a synced user's password has expired in the Active Directory, the user is now redirected to the **Change Password** window.	DE176961

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 167: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you applied template for Protective Instrument Loop, there was a performance issue and sometimes the process timed out. This issue has been resolved.	DE177097

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 168: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to view the **TM Quick View** page, the columns that displayed the measurement values according to the months in which they were measured, showed the abbreviated name of the month in the language assigned to the user's culture rather than the language assigned to the user's language setting. This issue has been resolved.	DE178379
Previously, in the **Measurement Data Entry** workspace, when you saved the data for Thickness Measurement, and attempted to navigate to the next page, the data was not saved successfully. This issue has been resolved.	DE177255
Previously, when you attempted to view Thickness Monitoring Locations (TMLs) in the **Datalogger** page, or if you attempted to send TMLs to the Datalogger, the inactive TMLs were not excluded by APM. This issue has been resolved.	DE176200
Previously, in the **Thickness Monitoring Datalogger** page, if you sent Thickness Measurement Locations to the 38DL+ device that had the **Number of Readings** field set to a value greater than zero, and if the **Location** field was not set, the TML IDs were formatted incorrectly when sent to the device. Additionally, when you attempted to receive the file back in APM, an error occurred. This issue has been resolved. **Note:** To resolve this issue, you must install the latest Meridium Devices Service.	DE174875

V4.6.2.0.0

Action Management

This topic provides a list of product changes released for this module in this version.

Table 169: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, custom columns that you added in the Recommended Actions tab were not visible. This issue has been resolved.	US541383
Previously, in the **Implement Actions** section, you were unable to implement an EAM Maintenance Plan when you selected actions from more than one asset. This issue has been resolved.	DE178296
Previously, when you attempted to create a recommendation record and entered an invalid value in a field, the field was not validated, and the record was not saved. This issue has been resolved.	DE177957

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 170: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Spring4Shell vulnerabilities, CVE-2022-22965 and CVE-2022-22963, impacted the APM Connect Base V3.0.0 and UDLP V3.1.0, released with the APM V4.6.0.0.0. This issue has now been resolved by using the mitigation libraries.	US538741
Previously, the log4j2 security vulnerability, CVE-2021-44228, impacted the APM Connect Base V3.0.0 and UDLP V3.1.0, released with the APM V4.6.0.0.0. This issue has now been resolved by using the mitigation libraries.	US519944

APM Installation

This topic provides a list of product changes released for this module in this version.

Table 171: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Revert to Baseline tool for state machines did not display the baseline states correctly. This issue has been resolved. Additionally, the UI access to the tool has also been enhanced.	DE181475

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 172: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to save a query-based group containing five assets or less as a static group, the group was created but the assets were not added to the group, and the Asset Group service may have shut down or its performance may have been degraded. This issue has been resolved.	DE180939

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 173: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now have more control on handling the unsaved results and unfinished tasks while performing **Send to Calibrator** using **Fluke 74x- 75x** or **Fluke 729 FC** Calibrators and also after performing **Receive from Calibrator**. To facilitate this enhancement: • A new preference setting **Enable Fluke Task Management** has been added in the **Admin** section under **Automated Calibration Settings** tab to activate the enhanced workflow on handling the unsaved results and unfinished tasks. • A new option is added in **Send to Calibrator** screen to save the results to APM and to reload the unfinished tasks back to Calibrator. • A new option is added in **Receive from Calibrator** screen to erase the results from Calibrator after saving the results to APM.	US527937

Family Management

This topic provides a list of product changes released for this module in this version.

Table 174: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, with configuration and subsequent configuration changes, Family Metadata showed as duplicated. This issue has been resolved.	DE176442
Previously, if you added custom fields that used SAP RFC integration to select the Work Center or Work Center Plant to a family, when you opened the family datasheet outside the Asset Strategy Integration module and accessed the Select a Work Center or Select a Work Center Plant window, no scroll bar appeared in the Search Results tab. This issue has been resolved.	DE176345

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 175: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to generate the NERC GADS Event Report 07 or NERC GADS Performance Report 05, an error message appeared, and the reports were not submitted unless you manually formatted the fields that caused the error. This issue has been resolved. Now, the NERC Reports are generated as expected and you do not have to reformat the report content.	DE181072
Previously, if an Event spanned across multiple years, there was a gap in the Event time between the end of year and start of new year. This issue has been resolved. Now, you can select the **End Date Is Estimated?** check box, which will set the correct time in the End Date field.	DE178406
Previously, if you entered a decimal as the value of the Unit Capacity record, the value was not recognized during performance calculations and the Performance Record was not updated. This issue has been resolved.	DE178064

General Dashboard

This topic provides a list of product changes released for this module in this version.

Table 176: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the Hyperlink **Edit Widget** window in the **Edit Mode** and selected **browse**, the **Next** and **Cancel** buttons did not appear as the scroll bar was missing. This issue has been resolved.	DE176239

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 177: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, users with the MI Inspection group permissions added to their security roles were unable to create an Asset Technical Data. This issue has been resolved.	DE178132

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 178: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when an asset was linked as a primary element, the **Link to Hierarchy** was passing the entity key of the LCC element to the hyperlink and an error message appeared. This issue has been resolved.	DE180395

Queries

This topic provides a list of product changes released for this module in this version.

Table 179: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to export the query results of an unformatted query, the exported data was different from the actual query results for the fields with Units of Measure (UOM) conversions. This issue has been resolved.	US529272
Previously, if your culture setting was set to a language other than English, and you accessed the Query Results, the message text **Drag a column header here to group by that column** was not translated to the language based on your culture setting. This issue has been resolved. For more information on enabling translation, refer to KBA 000039427.	DE179290
Previously, you were unable to run a single query to delete multiple records that are linked to the same successor record in the relationship family. This issue has been resolved.	DE178642

Table 180: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you attempt to create a cascading query, the **Enter Parameter Values** window keeps refreshing continuously and you are unable to update any field in this window.	DE176729

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.
RBI 581

Table 181: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating a Thinning and Lining Damage Mechanism Evaluation where the Cladding field was set to true in the parent RBI 581 Risk Analysis, the Expected Metal Loss Fraction (Art) field was calculated using the incorrect cladding corrosion rate based on the Selected Base Material Corrosion Rate field. This issue has been resolved. Now, the Expected Metal Loss Fraction (Art) field is calculated using the cladding corrosion rate based on the Selected Cladding Material Corrosion Rate field.	DE181237
Previously, when an RBI 581 Risk Analysis had both Thinning Damage and Lining Damage Mechanisms, and the Governing Damage Mechanism between Thinning and Lining differed on the Plan Date without Inspection and Target Inspection date, the Damage Factor with Plan was calculated incorrectly. This issue has been resolved.	DE175930
Previously, as a multiple site user, when you created an RBI 581 Inventory group, the site was set based on the users default site instead of the Process Units site. This issue has been resolved. Now, a newly created RBI 581 Inventory Groups site is set based on the Process Units site.	DE175352

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 182: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, for Reference Documents, you can now specify the network path for a folder in the Document Path field.	US525100

Table 183: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the **Do not Include** field in a conditional alert contained a value, the data in the email message was not formatted correctly. This issue has been resolved.	DE181476
Previously, when you attempted to view a custom datasheet, if the help text was longer than the width of the field, it did not wrap correctly, and resulted in the help text being displayed under or over other elements. This issue has been resolved.	DE180065

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 184: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in System Reliability, when scenarios with very short action intervals are run in Monte Carlo simulation, the simulation will take a long time to complete. This issue has been resolved. Now, if you attempt to create an action interval of one hour or less, a message will appear stating that simulations with action intervals of less than one hour are not permitted.	DE180465
Previously, when running Monte Carlo simulations, it was possible for a simulation to run indefinitely without completing. This restricted the server space for other users and for other queued simulations. This issue has been resolved. Now, a configurable limit of four hours has been set for a simulation run; once this limit is reached, the simulation run will be terminated.	DE180463

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 185: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you sent an asset to RCM Analysis, if you had permissions only for the Strategy User and Foundation User roles, the risk details for **Failure Effect** were not filled in automatically. This issue has been resolved.	DE177944

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 186: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to navigate through a Route, a timeout error appeared while loading the dashboard. This issue has been resolved.	DE178506
Previously, in the APM mobile application, if the **Culture** setting was Spanish, and you entered a reading value as a decimal with a comma separator, the comma was removed. This issue has been resolved.	DE176325
Previously, after you completed taking readings on a Route, if you did not mark the Route done, the Route disappeared from the **Overdue Items** section. This issue has been resolved.	DE176011

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 187: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Table 188: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
If a route has more than 500 steps (irrespective of the number of assets), the **Expand All** functionality in the Sequence Route section will be disabled. Workaround: Expand one asset at a time.	US535222
In the **Rounds Pro Manager** page, when you attempt to clear the applied filters at once, the filters are not cleared. Workaround: Select ✕ for every individual column to clear the applied filter.	DE175456

Rules

This topic provides a list of product changes released for this module in this version.

Table 189: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you added a new field in a child family, the rules file was not generated for the newly added field. This issue has been resolved.	DE177203

Search

This topic provides a list of product changes released for this module in this version.

Table 190: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in Advanced Search, you can now edit an existing search condition in the **Conditions** section. To facilitate this enhancement, a new edit icon () appears in each condition box in the **Conditions** section.	US541827

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 191: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a new Conditional Alert record, if you selected an email recipient from the Fixed Distribution or the Optional Distribution List drop-down list box, and then saved the record, the Conditional Alert email was not sent to the recipient. This issue has been resolved.	DE181474
Previously, when you ran the LDAP synchronization process with the **Enable Password Change** setting enabled, the synced users were unable to log in to the APM, and an error message appeared indicating that the user's password has expired, even though the password had not expired in the Active Directory. This issue has been resolved. Additionally, if a synced user's password has expired in the Active Directory, the user is now redirected to the **Change Password** window.	DE176961

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 192: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you applied template for Protective Instrument Loop, there was a performance issue and sometimes the process timed out. This issue has been resolved.	DE177097

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 193: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to view the **TM Quick View** page, the columns that displayed the measurement values according to the months in which they were measured, showed the abbreviated name of the month in the language assigned to the user's culture rather than the language assigned to the user's language setting. This issue has been resolved.	DE178379
Previously, in the **Measurement Data Entry** workspace, when you saved the data for Thickness Measurement, and attempted to navigate to the next page, the data was not saved successfully. This issue has been resolved.	DE177255
Previously, when you attempted to view Thickness Monitoring Locations (TMLs) in the **Datalogger** page, or if you attempted to send TMLs to the Datalogger, the inactive TMLs were not excluded by APM. This issue has been resolved.	DE176200
Previously, in the **Thickness Monitoring Datalogger** page, if you sent Thickness Measurement Locations to the 38DL+ device that had the **Number of Readings** field set to a value greater than zero, and if the **Location** field was not set, the TML IDs were formatted incorrectly when sent to the device. Additionally, when you attempted to receive the file back in APM, an error occurred. This issue has been resolved. **Note:** To resolve this issue, you must install the latest Meridium Devices Service.	DE174875

V4.6.1.0.0

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 194: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the Search feature in the **Team Members** tab is enhanced to provide more precise results. Now, when you search for a team member, to assign to an analysis, the search results include records where the search term is found in the following fields, along with the team member's first name and last name: • Full Name • Job Title • Phone number • Email address	US518718

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 195: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In Asset Strategy Management, the following roles have been added: • MI ASM Administrator • MI ASM Analyst • MI ASM Reviewer • MI ASM Viewer	US514172

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 196: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Action Optimization page, the Action name did not appear properly if the name was too long. This issue has been resolved. Now, you can hover over the Action name and view the entire name in the tooltip.	DE174202
Previously, the simulation for optimizing an asset strategy did not get completed if custom rules were defined in the strategy. This issue has been resolved.	DE173567

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 197: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to open a Functional Test Template, an error occurred while loading the record from an Oracle data source. This issue has been resolved.	DE174038

Data Loaders

This topic provides a list of product changes released for this module in this version.

Table 198: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to synchronize Work Histories from an EAM system, some deleted Work History records were not removed during the execution of the Object List Synchronization step. This issue has been resolved.	DE174129

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 199: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In Failure Modes and Effects Analysis, the following roles have been added: • MI RCM Administrator • MI RCM User • MI RCM Viewer	US514172

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 200: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in APM systems that used R Server 8.0.0, when you attempted to execute R Scripts with input data frame that contained numeric or Boolean values in the first column, an error occurred. This issue has been resolved.	DE174673
Previously, when you executed a policy with multiple Create Entity nodes, the execution summary did not display the links to all the newly created records. This issue has been resolved.	DE174124

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 201: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to import GAA Events from an external source, some events overlapped, and data for some events was lost. This issue has been resolved. Now, the imported events appear concurrently, and no data is lost.	US517389

General Dashboard

This topic provides a list of product changes released for this module in this version.

Table 202: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to open a query or a graph dashboard widget in a new tab, and if the underlying query used a parameter containing the wildcard character (%), an error occurred. This issue has been resolved.	DE174949
Previously, in some scenarios, the Query widget did not display any query results. This issue has been resolved.	DE173980

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 203: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the **Linked Tasks** section under Inspection, the Inspection task hyperlink was not displayed. This issue has been resolved.	DE173561

Inspection Field Data Collection

This topic provides a list of product changes released for this module in this version.

Table 204: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Inspection Field Data Collection Overview** page, when you attempted to delete a downloaded inspection that was already deleted on the server from a device, an error occurred, and the inspection was not deleted. This issue has been resolved.	DE173358

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 205: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The following new Roles have now been added to Policy Designer: • MI Policy Viewer • MI Policy User • MI Policy Designer • MI Policy Administrator Users assigned to these Roles will have the same privileges as users assigned to the security groups with the same names.	US513426

Table 206: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in APM systems that used R Server 8.0.0, when you attempted to execute R Scripts with input data frame that contained numeric or Boolean values in the first column, an error occurred. This issue has been resolved.	DE174673
Previously, when you executed a policy with multiple Create Entity nodes, the execution summary did not display the links to all the newly created records. This issue has been resolved.	DE174124

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 207: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a Production Analysis from a query of Production Plans, the date settings showed a combination of numbers and letters, and an error message appeared. This issue has been resolved.	DE174047
Previously, when you attempted to update the **Headline** field value for a Production Event that contained a tilde character (~) , an error occurred, and the previous and updated **Headline** values were appended together. This issue has been resolved.	DE174224

Queries

This topic provides a list of product changes released for this module in this version.

Table 208: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to run a query that contained an asterisk character (*) to retrieve all columns, and then exported the query results, an error occurred. This issue has been resolved.	DE174711
Previously, if the results of a crosstab query contained only one column, and you attempted to export the results, an error occurred. This issue has been resolved.	DE174712

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 209: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to access a record that had a large number of related records, the record did not load, and the spinner continued for an indefinite timespan. This issue has been resolved. Now, a message appears indicating that there are too many related records, and you can open the record in the Bulk Data Form.	DE175550
Previously, when you selected a network folder to browse for documents, if the network folder path included Chinese or other non-Latin characters, an error occurred. This issue has been resolved.	DE175545
Previously, when you performed a global search for an Equipment record, the related links included a reference to the family itself, which caused a discrepancy between the number of Related Families in the Record Manager and in the global search. This issue has been resolved.	DE153236

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 210: Enhancements and New Features

The following enhancements and new features have been added.

Table 211: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in Reliability Distribution Analysis, for an analysis that had the **I have Failures without Replacement (as good as old)** setting enabled, the value for the mean of TTF Distribution was labelled incorrectly as **MTBF** in the **Analysis Summary** workspace. This issue has been resolved. Now, when this setting is enabled, the mean of TTF Distribution is labelled as **Mean**.	DE173899

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 212: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the Search feature in the **Team Members** tab is enhanced to provide more precise results. Now, when you search for a team member, to assign to an analysis, the search results include records where the search term is found in the following fields, along with the team member's first name and last name: • Full Name • Job Title • Phone number • Email address	US518718
In Reliability Centered Maintenance, the followingroles have been added: • MI RCM Administrator • MI RCM User • MI RCM Viewer	US514172

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and 581

Table 213: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you archived an RBI Analysis with a consolidated recommendation, the Inspection Tasks were not unlinked from the recommendation, and, as a result, those Inspection Tasks were unavailable for other recommendations. This issue has been resolved.	DE175869

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 214: Enhancements and New Features

The following enhancements and new features have been added.

Table 215: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created an RCA Verification and saved it, the verification was assigned automatically to the Principal Analyst. This issue has been resolved. Now, when you attempt to save the verification, a window appears prompting you to assign the verification to a team member.	US523412
Previously, in RCA Verifications, when you entered more than 150 characters in the **Method** field, an error occurred, and the value was not updated. This issue has been resolved.	DE175040
Previously, in an RCA analysis, the SSRS Comprehensive Analysis Report included the logic image in the older logic tree design format. This issue has been resolved. Now, the SSRS report displays the logic tree in the current version user interface format.	DE174682
Previously, if you deleted or marked an RCA Verification record as complete, you continued to receive the email alerts on the due date set. This issue had been resolved.	DE173828

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 216: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to delete a Route Master, a confirmation message was not displayed on successful deletion. This issue has been resolved.	DE173934
Previously, when you copied and renamed a step with associated conditional steps, the mappings on the condition records were not retained. This issue has been resolved. Now, when you copy a step, the associated conditional steps are also copied and added to the copied step.	DE172127
Previously, when you accessed Rounds Pro on the APM mobile application in a device with a slow network, an error occurred. This issue has been resolved. **Note:** The maximum size of a photo attachment for a single step is less than 800KB. An error is displayed if a single attachment file is larger than 800KB. Data is uploaded in batches of size 800KB. After a batch is uploaded, a message appears indicating the completion of the upload.	DE172059
Previously, in the **Route Creation** page, the **Compliance Tracking** button was supported only up to 110% zoom level of the screen. This issue has been resolved. Now you can zoom to any level.	DE171509
Previously, in the **Rounds Designer** page, when you added a step that contained a hashtag (#) in the name, an error message appeared indicating that the Asset Key was not passed in the request. This issue has been resolved.	DE171246
Previously, when you attempted to create a Health Indicator using the **Generate Health Indicators** section, while creating a step, the health indicator creation failed, and an error message appeared. This issue has been resolved.	DE170265
Previously, when you attempted to modify a step template to use a new picklist and picklist values, the Save button () was not enabled after you made the changes. This issue has been resolved.	DE168473
Previously, when you attempted to add a conditional step and you selected the primary step as a condition to itself, an error message was displayed. This issue has been resolved.	DE158339

Table 217: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
Currently, if the numeric value of a Picklist includes a comma (,) as the thousands separator, the value is modified incorrectly to include a period (.) For example, if you entered 1,200 as the Picklist value, it is changed to 1.2. To workaround this issue, avoid using a comma (,) in the Picklist value.	DE175790
Step templates currently do not support site filtering. Populating the Site Reference Name field, will result in errors during loading the data using the Step Template Dataloader. Workaround: Load the Step template data loader by keeping the Site Reference Name field blank.	DE175370

Description	Tracking ID
When you check out a route on the mobile application and select the **Data Saver-Route only** option, you can see the attachments but cannot access them. Workaround: Select the **Route with Images and Attachments** option.	DE174652
When you delete a route master, the Route Master list is not refreshed automatically. Workaround: Refresh the browser manually.	DE173944
When you check in a route on the mobile application, the pictures taken for the readings or recommendations are retained in the device and are not deleted until you uninstall the application. This uses up device memory. Workaround: Delete the pictures manually from the photo application of your mobile device.	DE173831
When you add a new reference document to a step, and navigate to another tab without selecting the Save button, the reference document is removed when you navigate back to the **Reference Document** tab. Workaround: Select the Save button () button before navigating to another tab.	DE173282
When a route has a large number of steps (more than 300 steps for one asset or a total of more than 500 steps), the **Expand All** functionality in the Sequence Route page takes a long time to respond. Workaround: Expand one asset at a time or reduce the number of steps in the route. Alternatively, use a system with a larger processing capacity.	DE164795

SAP Adapters

This topic provides a list of product changes released for this module in this version.

Table 218: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the following issues existed in the SAP-PI PWORK interface: • The **Long Text Description** value was not updated if the **Task ID** field had less than 8 characters. • You could not retrieve the **Long Text Description** value when the **Task List** had sub-operations.	US521149

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 219: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the T-Min Calculator now works in accordance with the **Override Minimum Thickness Type** field on the Thickness Measurement Location. If the **Override Minimum Thickness Type** field is already set, the Minimum Thickness on the Thickness Measurement Location is not updated from the **T-Min Calculator** screen. A warning message lists the TMLs that are not updated.	US514754

Table 220: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you navigated to the **T-Min Calculator** workspace for an asset that was enabled for Piping Rotation, an error occurred. This issue has been resolved.	DE172794

V4.6.0.1.0

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 221: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you modified a family policy, the prior version of the family policy executed intermittently.	DE173595

V4.6.0.0.0

Action Management

This topic provides a list of product changes released for this module in this version.

Table 222: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, you can now manage the state recommendations directly from the Recommendation panel.	US498684
In the **Rounds Pro** module, you can now implement an action using one of the following methods: • Create new steps from template • Link actions to existing steps • Unlink actions from existing steps	US490809
You can now edit recommendations even if the EAM Notification is sent to the EAM system and completed in SAP. To facilitate this enhancement, the following changes have been made: • In the performance recommendation datasheet, the **Create EAM Notification?** checkbox has been updated to **Create/Update EAM Notification?** • The **Create/Update EAM Notification?** checkbox is always enabled, even after a work order reference is generated.	US488762
To improve usability, you can now manage the state assignments for a recommended action in the **Recommended Actions** pane. To facilitate this enhancement, the **State** drop-down menu has been added to the **Recommended Actions** pane.	US484631
You can now export Recommended Actions to an Excel file. To facilitate this enhancement, the Export button ⤓ has been added to the **Recommended Actions** section.	US484091
You can now access the work management items in the SAP web GUI from the EAM Plan or EAM Plan Details record. To facilitate this enhancement, a URL is provided for each item that connects to the SAP web GUI.	US325245

Table 223: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Recommendation dialog was not closed when you selected the hyperlink from the recommendation datasheet. This issue has been resolved.	DE160417
Previously, in the results grid, if the value in the Headline column was long, the column width was extended instead of truncating the recommendation value. This issue has been resolved.	DE154373

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 224: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The Data Loaders V2 module has been introduced. You can use this module with the enhanced ability to load assets into the APM environment. The APM Family Data Loader that is used to ingest assets into APM has been rearchitected to improve reliability and performance. The new framework is more performant and aligns with the future direction of APM.	F59536

Table 225: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, since there was no validation of **connectionString** to the APM Connect Server, you could enter a malicious **connectionString** and capture credentials to the APMC Staging Database. This issue has been resolved.	DE154306
Previously, for a family field with numeric data type, if the value was set to 0, the APM Family Data Loader could not update this value to NULL. This issue has been resolved.	DE146802
Previously, when you accessed Work Management Interface and attempted to generate APM inspection tasks for SAP strategy maintenance plans, the next inspection due date was incorrectly calculated. This issue has been resolved.	DE145957

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 226: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you used a comma based decimal separator in the localized numeric value, the readings field did not respond correctly. This issue has been resolved.	DE161750

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 227: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, you can now apply an **Asset Template** to multiple assets when sending assets to the FMEA Analysis.	US498016
To improve usability, a new window, **Confirm Bulk Assessment?**, now appears when you perform bulk assessment to assess the criticality of the assets assigned to the ACA via the Criticality Checklist or via the Risk Matrix.	US497488

Description	Tracking ID
To improve performance, the process of deleting an analysis has been converted to a background job.	US484617
The ability to perform criticality assessment on a system has been enhanced. To facilitate this enhancement, the following changes have been made: • The **Enable System Assessment** check box has been added to the **ACA Administrator** page. • You can now perform criticality assessment in the **Analysis** workspace of an ACA analysis for a system, using the risk matrix method. **Note:** This feature is available only for sites using the risk matrix method for criticality assessment.	US484487
To improve usability, you can now configure and manage the ACA Criticality Definitions from the **ACA Admin** page in the **Application Settings**.	US484094
You can now clear the criticality assessments for one or more assets. To facilitate this enhancement, a new button, Clear Assessment ⊖ has been added in the **Assessment** workspace for the analysis.	US484015
The ability to send an asset to System Strategy has been enhanced. To facilitate this enhancement, the following changes have been made: • When sending an asset to a System Strategy, a window appears for you to choose from **Link Existing** or **Create New** option. • When creating a new System Strategy, you can change the System ID.	US465066
To enhance usability, you can now access the ACA Summary Report from the **Analyses** workspace. To facilitate this enhancement, the **View Report** option has been added to the More Options (⦙) menu.	US433974
To improve usability, in the **Asset Criticality Overview** page, the Criticality Distribution graph now displays Assessed instead of Defined and Not Assessed instead of Undefined.	US388927
You can now view the criticality of an asset in SAP. To facilitate this enhancement, a new column **EAM Criticality** has been added to the **Assessment** tab.	US315537

Table 228: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in an existing Asset Criticality Analysis you could change the site. This issue has been resolved.	DE170529
Previously, in an Asset Criticality Analysis with multiple assets, when you attempted to filter it to one assessment, the **Apply Assessment** button was disabled. This issue has been resolved.	DE162547
Previously, the status of Update SAP job overlapped with the status of Send To job. This issue has been resolved.	DE162487

Description	Tracking ID
Previously, if ACA was configured to use Checklist Family and State Management functionality was enabled on Criticality Checklist Family, an error occurred when you opened an existing assessment for an asset. This issue has been resolved.	DE159580
Previously, in the **Risk Assessment** window, if the value in the **Basis for Assessment** box was in any language other than English, the value appeared incorrectly. This issue has been resolved.	DE158055
Previously, in the **Analyses** section of the **ACA Overview** page, when you specified a filter criterion in the **Criticality** column, the data in the grid was not filtered based on the filter criterion. This issue has been resolved.	DE157835
Previously, when you added, linked, unlinked, or deleted the reference document, the **Reference Documents** tab that displayed the available number of reference documents was not updated. This issue has been resolved.	DE152268
Previously, users with view-only access to ACA module (MI ACA Member), could see the team member remove icon. This issue has been resolved. Now the icon is disabled for users with view-only access.	DE139166

Asset Health Manager

This topic provides a list of product changes released for this module in this version.

Table 229: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a new Health Indicator Mapping that used readings from the same relationship family as an existing Health Indicator Mapping, an error may have occurred during Health Service update process. This issue has been resolved.	DE163641
Previously, when you used OT Connect data to visualize trends for a health indicator, and if you accessed the reading history of the health indicator, the oldest reading appeared at the top. This issue has been resolved. Now, the readings are sorted in ascending order, with the most recent reading at the top.	DE157900

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 230: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a query-based Asset Group using a query that returned a large number of results, an error occurred, and the group was not saved. This issue has been resolved.	DE164894
Previously, when you accessed the asset hierarchy selector in a modal dialog, and you attempted to search for an asset group, the list of all asset groups was displayed in addition to the search results. This resulted in usability issues. This issue has been resolved. Now, only the search results are displayed.	DE162993
Previously, when you searched for an asset in the **Asset Hierarchy**, the search failed if more than 2100 assets matched the search term. This issue has been resolved.	DE162129
Previously, when you added a new datasource, the Asset Hierarchy service repeatedly logged an error that the new datasource was invalid even though it was valid which increased the logs in the log file rapidly. This issue has been resolved.	DE160478

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 231: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the readability, in the **ASI Package** workspace, when you select the **Manage Maintenance Package** field, the **Manage Maintenance** window now displays the maintenance cycle text along with the package number.	US491126
To improve usability, you can now create multiple Object List Items for a Maintenance Item.	US484630
To enhance the usability and performance, you can now import multiple Object List Items for Equipment or Functional Location for a given Maintenance Item. This import functionality has been implemented to run as a background job.	US274702
To improve performance, Action implementations will now relate to the Action family instead of the Action Revision family.	DE157745

Table 232: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when the PRT feature was enabled, the **Unlink Implementation** option was not available in the **Manage Actions** section of a package. This issue has been resolved.	US499494
Previously, when you updated an **ASI Package** with changes to its maintenance item, the **Last Changed Date** of its corresponding maintenance plan was also updated in SAP. This issue has been resolved. **Note:** For this change to take effect, SAP notes **3062714** and **3071508** are required.	US469281

Description	Tracking ID
Previously, the standard texts were incorrectly sent to SAP during package implementation. This issue has been resolved.	US440329
Previously, as a non-English language user, when you attempted to transmit data to and from SAP, an error occurred. This issue has been resolved.	DE169536
Previously, in an ASI Package, when you imported an operation with maintenance package, some maintenance packages were not imported as expected. This issue has been resolved.	DE168519
Previously, in an ASI package, when you imported an operation that included materials, duplicate material entries were created. This issue has been resolved.	DE167224
Previously, when you attempted to delete a custom work management record, an error occurred. This issue has been resolved.	DE163117
Previously, when you attempted to create a new package and save it, the **Details** section did not load. This issue has been resolved.	DE159080
Previously, when you deleted a Maintenance Plan from the Work Management Item (WMI) tree associated with an **ASI Package**, the actions associated with the child maintenance items were not unlinked. This issue has been resolved.	DE158070
Previously, there were performance issues while loading maintenance item datasheet. This issue has been resolved.	DE158068
Previously, if your culture setting had a culture other than English, when you attempted to add Task List from SAP in ASI package, the GE Digital APM application did not respond. This issue has been resolved.	DE158063
Previously, when you attempted to add an Operation to an ASI Implementation Package, APM stopped responding. This issue has been resolved.	DE158062
Previously, when you linked an Action to an operation or maintenance item, the Action name did not appear in the WMI tree. This issue has been resolved.	DE158061
Previously, the Operation description did not appear in the Operation name in the WMI hierarchy, if the operation description had special characters, < or >. This issue has been resolved.	DE158060
Previously, in an ASI package, if you navigated quickly through the tree hierarchy, the datasheet and add children options were not in synchronization with the selection. This issue has been resolved.	DE158046
Previously, in an ASI Package, you were able to select values in the **Work Unit** and **Normal Duration Unit** even when the fields were disabled in the operation datasheet. This issue has been resolved.	DE157905
Previously, in ASI Package, when you created a maintenance item and selected an Equipment that was associated with a Functional Location that had an ampersand (&) in its name, an error message appeared indicating that the selected value is invalid. This issue has been resolved.	DE153580
Previously, when you modified long text in the Notification datasheet in ASI, the updated text was incorrectly appended to the existing text in the Notification datasheet in SAP. This issue has been resolved. Now, when you modify the long text, it is overwritten in the Notification datasheet in SAP.	DE109896

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 233: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In the **Rounds Pro** module, you can now implement an action using one of the following methods: • Create new steps from template • Link actions to existing steps • Unlink actions from existing steps	US490809
To improve performance, the strategy or template deletion job has been converted to a background job. You can now view the status of the delete job under the job status component. Additionally, you can now delete multiple strategies or templates from the **ASM Overview** page.	US489964
You can now view the EAM plans imported to the APM. To facilitate this enhancement, the **EAM Plans** tab is added in the **ASM Overview** page.	US487027
APM now delivers an improved performance when you attempt to add assets during the creation of a strategy. To facilitate this enhancement, a new window, **Select Asset**, now appears when you select **Create Asset Strategy** in the **ASM Overview** page.	US484612
To improve performance, in the **ASM Overview** page, the query for **ACTIVE ACTIONS BY SOURCE** graph has been optimized.	US484610
To improve usability, the search functionality has been introduced for risks and actions. To facilitate this enhancement, a **Search** box has been added in **Risks and Actions** workspace.	US484559
To improve usability, the **Template ID** column has been added to the **Asset Strategies** section of the **ASM Overview** page. If a strategy is controlled by a master template, the ID of the template with a link appears in the header section of the **ASM Overview** page.	US484089
To enhance usability, the hierarchical vertical navigation pane to the left has been converted to a horizontal navigation.	US397809
To enhance usability, the **Strategy Identification** tab and the **Strategy Overview** tab have been interchanged. In addition, the **Strategy Overview** tab and **Strategy Identification** tab have been renamed to **Summary** and **Details** respectively.	US388158
To improve performance, Action implementations will now relate to the Action family instead of the Action Revision family. For more information on Catalog Queries, refer to KBA 000038716.	DE157745 US512870

Table 234: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you unconsolidated one or more mitigating Actions, the links between the Actions and Risks were not restored. This issue has been resolved.	US484628
Previously, in **Risks** and **Mitigating Actions** cards, the risk values expressed in decimal format were not rounded as expected. This issue has been resolved.	US484111
Previously, the save as template functionality had performance issues. These issues have been resolved.	US347545
Previously, if your culture setting was Japanese, the **Description** field available in the **Link Existing** section of the **Send to ASI Package** window was displayed as MI_IMPPACKG_DESC_T. This issue has been resolved. Now, the Description field name is localized.	DE486503
Previously, the **Import** button was enabled even for the users with view-only access. This issue has been resolved. Now, the button is disabled for users with view-only access.	DE165797
Previously, in **Revisions** section of asset strategy, the ID column on the **Risks Revision** tab was populated incorrectly. This issue has been resolved.	DE165974
Previously, in the **Secondary Actions** section of the **Risks and Actions** workspace of a strategy, the number of secondary actions associated with the primary action was displayed incorrectly. This issue has been resolved.	DE165935
Previously, Asset Strategy Approval report had some alignment issues. These issues have been resolved.	DE162354
Previously, when importing actions from Rounds, some measurement locations were not listed for the selected route. This issue has been resolved.	DE162007
Previously, when you created an **Asset Strategy** from the master template, the **Risks** did not populate correctly. This issue has been resolved.	DE161787
Previously, if the value of the Culture field in your user settings was set to Spanish, and you attempted to apply an ASM Template to the available assets, an error occurred. This issue has been resolved.	DE159771
Previously, if the risk matrix categories contained a hyphen (-) character, and you attempted to load data through the ASM data loader, an error occurred. This issue has been resolved.	DE158549
Previously, in the **Recommended Actions** pane, you could modify data in the **Implementation Alert** box even when the **Alert Responsible Party When Due?** check box was cleared. This issue has been resolved. Now, in this scenario, you cannot modify data in the **Implementation Alert** box.	DE158193
Previously, in the **ASM Overview** page, the Import from Rounds feature was enabled even though the Operator Rounds license was not active in the APM. This issue has been resolved.	DE158067
Previously, when using the Import from EAM feature, you could update a strategy that was controlled by a master template. This has been resolved.	DE157906
Previously, in the **Risks and Actions** workspace of the **Strategy Details** workspace, the name of the button, **Consolidate**, which was used to supersede actions was incorrect. This issue has been resolved. Now, the action Consolidate has been renamed to Supersede across the Asset Strategy Management module.	DE157904

Description	Tracking ID
Previously, when you attempted to export one or more Asset Strategies that were controlled by a master template, an error occurred. This issue has been resolved. Now, an appropriate error message appears, and you can use the new **Template ID** column to filter the controlled strategies based on your selection.	DE157903
Previously, saving an action in a strategy took a long time. This issue has been resolved.	DE157887

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 235: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, after strategy optimization, the unit for the Interval Units field was getting modified to Days, irrespective of the actual unit set in the strategy. This issue has been resolved. Now, the unit for the Interval Units field in ASO matches the Units field in the strategy. If no action interval is available, the default unit is set to Months.	DE160754

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 236: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now generate and download multiple Calibration Template Reports or Calibration Event reports at a time. To facilitate this enhancement: • A new option, **Download Report** (⤓) is added in the **Calibration Management Overview** page. • A new option, **View log** is added in the **Calibration Management Overview** page to view the status of the Download Report job. **Note:** If you have a pop-up blocker enabled in your browser, you need to disable it to download the report.	US492248
You can now validate the calibration template records before you download the records to the calibrator. To facilitate this enhancement, the **Validate** button has been added to the **Send for Calibration** window. You can select **Validate** to identify the errors or warnings in each template. You can also view the errors or warnings in the **Device Log** window or in the log file of the Meridium Device Service.	US484999
You can now exclude an asset-specific applied profile from getting updated when the related profile template is updated. In addition, you can now choose which data in the profile template gets updated to the applied profile.	US483331

Table 237: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could not modify the fields in the applied equipment profile template datasheet. This issue has been resolved. Now, the fields in the datasheet are enabled for editing. In addition, the datasheet selection control to select other datasheets has been enabled.	US483332
Previously, when you created an Applied Profile Template of type Analog-Manual with the **Perform Square Root** field value set to Yes, the values in the **Percent of Scale Test Point** field in the Template Detail records were generated as linear values. This issue has been fixed. Now, the test point values are generated as square root values.	DE169615
Previously, when you created a Functional Test Calibration template, you were not able to add more than 25 steps to the template. This issue has been resolved. Now, you can add additional steps by creating calibration strategies.	DE162191
Previously, when you entered values (As Found or As Left) in a Single Switch Discrete Calibration event result, which calculated the AF error % or AL error % to zero, the Overall AF Pass/Fail or Overall AL Pass/Fail result did not show as either PASS or FAIL. This issue has been resolved.	DE161826
Previously, some URLs in the Calibration Management URLs section were incorrect. This issue has been resolved.	DE161513
Previously, if your culture setting had a culture other than English, when you sent data to a Fluke 754 calibrator using a template, the data in the Fluke 754 calibrator device contained invalid characters. This issue has been resolved.	DE160377
Previously, the Associated Pages functionality for Calibration Event, Calibration Results, Calibration Template, Calibration Template Detail, Standard Gas Cylinder, and Standard Gas Components families was not working as expected. This issue has been resolved. The Associated Pages functionality has now been removed for these families. **Note:** This functionality can be achieved using the normal Calibration workflow.	DE157634

Table 238: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The **Calibration Template Bulk Report** and **Calibration Event Bulk Report** and their associated queries are no longer used and have been removed from the database. Previously, for the Combined Report feature, the **Calibration Template Bulk Report** and **Calibration Event Bulk Report** were used to combine the individual reports into a single file. Now, the default reports generated for each selected Calibration families are combined into a single PDF file. Also, the MHTML file type is no longer supported to view or download the Combined Report.	US507332

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 239: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you approved an Inspection Plan with a Superseded Master Recommended Action in the Not Required state, an action was erroneously created and linked to the Master Recommended Action. This issue has been resolved. Now, when you approve an Inspection Plan, no actions are created for Recommended Actions in the Not Required state.	DE165764
Previously, for an Inspection Plan, when you were viewing the **Linked Recommendations** window for a recommendation that was superseding at least one other recommendation, duplicate recommendations appeared. This issue has been resolved.	DE165397
Previously, users with the MI Inspection Plan Approver group permissions added to their security roles were unable to approve an Inspection Plan. This issue has been resolved.	DE161150
Previously, when you created or updated an Inspection Plan based on a Compliance Strategy Template, and executed a policy associated with the template, no error message appeared if the returned output node value did not match the Compliance Strategy ID field value of the associated Compliance Strategy records. This issue has been resolved.	DE159036

Data Sources

This topic provides a list of product changes released for this module in this version.

Table 240: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, in APM Classic, if the **Data Source** section contains invalid data source(s), all the invalid data sources are made offline and are not available for selection.	US186051

Datasets

This topic provides a list of product changes released for this module in this version.

Table 241: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you imported a dataset using an Excel file, if the file contained formula field, the values in the field were imported as formulas instead of computed values. This issue has been resolved.	DE157828
Previously, when you exported numeric values that contained a decimal from a German dataset, the number did not retain the decimal points. This issue has been resolved.	DE156430

eLog

This topic provides a list of product changes released for this module in this version.

Table 242: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, when linking an asset to a general log entry associated with a shift, the functional location associated with the shift is automatically selected as the hierarchy level in the **Asset Finder** window. This allows the team members associated with the shift to easily find the assets available in their production unit.	US485307
To improve usability in the eLog **Admin** pages, you can now create a custom family name as a child of the eLog **Assignment Family** and add a drop-down picklist to the assignment template forms.	US485280
The shift filter has now been added to the **Record of Assignments** and **Shift Sign-In/Out Logs** tables in the eLog Shift Report. You can access the details about the source of log entries in the report.	US477510
To enhance usability, in the **Templates** section of the **eLog Administrator** page, in the **Generated On** dropdown list, the following options have been added: • Once Per Sign In • Once Per Shift • Multiple Per Shift (Assignment Always Available) Now, as an eLog Administrator you can select the newly added options to determine the frequency for generation of new assignments in a daily shift.	US468340

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 243: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the usability of the baseline datasheet, the following fields have been removed: • Create Work Request? • Work Request Reference • Work Request Equipment • Work Request Functional Location • Target Completion Date • Service Record Id These fields are only applicable for Performance Recommendations.	US485341
The performance when adding assets to an analysis for assessment has been improved. To facilitate this enhancement, a new window, **Add Assets**, now appears when you attempt to add assets to an analysis.	US484611
To improve performance, the Save as Template functionality has been converted to a background job. In case of an error, the corresponding details are now available in the job status, which appears in a separate window on the same page.	US484123
To improve usability, you can now apply an Asset template to multiple assets at the same time.	US424474

Table 244: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Decision Logic Builder was not working as expected. This issue has been resolved.	DE170570
Previously, you could consolidate recommendations linked to different assets in FMEA. This issue has been resolved.	DE166051
Previously, when you uploaded the **RCM Template, FMEA Analysis Template,** or **FMEA Asset Template** through the data loader, a warning message was displayed for the below fields: • MI_TM000000_ID • MI_RCMEQPMT_EQUIP_ID_C • MI_RCMEQPMT_SHORT_DESC This issue has been resolved.	DE161367
Previously, users with MI RCM User security group permission were unable to access the FMEA analysis. This issue has been resolved.	DE160674
Previously, when you uploaded data using data loader, financial details were not updated as per the dataloader worksheet. This issue has been resolved.	DE158069
Previously, in the FMEA **Analysis Details** section, when you accessed the Risk card of the **Failure Effect**, the Risk Category ID appeared instead of the Description alias. This issue has been resolved.	DE154478

Family Management

This topic provides a list of product changes released for this module in this version.

Table 245: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you configured the family metadata, and if the corresponding configurations changed during the runtime, the family metadata became stale. This issue has been resolved.	DE169671
Previously, for workflow use cases where Many to Many relationships with large number of updates were processed, an error may have occurred. This issue has been resolved.	DE159157
Previously, when you attempted to update the **Template ID**, you had to save the changes twice to see the updates across all the family records. This issue has been resolved.	DE157815

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 246: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the execution duration for each node is now displayed in a policy. When you select each node of a policy in Validation mode or in Execution History view mode, the Node Execution Details window displays the Execution duration.	US491145
To improve the usability of the **Execution History** pane, the execution summary now displays links to the first five entities created by a Create Entity node. **Note:** You can access the links to all the created entities by selecting the Create Entity node in the execution history details displayed on the policy canvas.	US475170

Table 247: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you executed a policy that called a sub policy that contained a **Create Entity** node, if the entity was not created due to an error on another node, the execution details in the Create Entity node were incorrect. This issue has been resolved.	DE168085
Previously, if your APM system used the Machine Learning Server to execute R Scripts, and you executed or validated a policy where the R Script had an error, the R Script node did not show the error message and null output values were passed to any successor nodes in the policy. This issue has been resolved. Now, the R Script node shows an error message, the successor nodes are not executed, and the policy execution results in an error.	DE163897
Previously, the Constant node icon size did not match with the other icons in the application. This issue has been resolved. The icon for the Constant node has been updated to .	DE163680
Previously, when you selected Policy Recommendation, Production Event or Health Indicator Value in the Family ID section of a Create Entity node, and then added a new Create Recommendation, Create Production Event or Add Value to Health Indicator node, respectively, the fields in the new node were not displayed as expected. This issue has been resolved.	DE144639

Foundation

This topic provides a list of product changes released for this module in this version.

Table 248: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to transition the state of a record, the users in the state assignment drop-down list box were loaded all at once, which resulted in performance issues. This issue has been resolved. Now, the list of users is loaded and displayed as you scroll, and is now searchable.	DE161669
Previously, if your language settings and culture settings in the APM application were not the same, the decimal separators did not appear correctly in the values for the field to which business rules were applied. This issue has been resolved.	DE158499

General Dashboards

This topic provides a list of product changes released for this module in this version.

Table 249: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, in the edit mode, you can now open the selected filter query in the query design page from the dashboard. To facilitate this enhancement, the **Open in New Tab** ( ) button has been added to the **Filter Query** section.	US508136
You can now open a graph from the **Edit Widget** window in the Graph Result workspace . To facilitate this enhancement, a new button **Open in Graph Editor** ( ) is added in the **Edit Widget** window.	US497983
You can now open a query from the **Edit Widget** window in the Design workspace. To facilitate this enhancement, a new button **Open in Query Editor** ( ) is added in the **Edit Widget** window.	US497981
To enhance usability, when you select the **Open in New Tab** ( ) button in a query widget, the query now opens in the results-only view and the currently selected dashboard filter parameter values are automatically applied to the query.	US483540
You can now export the results of any query directly from the dashboard. To facilitate this enhancement, a new option, **Export all data** has been added in the Query widget, under **More** button ( ).	US483539
You can now specify the parameter values for a multi-value filter in the URL while accessing a dashboard via a hyperlink. To facilitate this enhancement, the following URL formats with **Parameter Name[]** are now supported for accessing a dashboard: • #dashboard?path=Catalog Item Path&Parameter Name[]=Parameter Value • #dashboard/Catalog Item Key?Parameter Name[]=value	DE164609

Table 250: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could enter an invalid value and save the **Filter Query** field in a dashboard. This issue has been resolved. Now, you must select the **Select a Query** button and choose the filter query in the **Select an APM Query from the Catalog** window.	DE113032
Previously, when you selected the **Open in New Tab** button ( ) in a graph widget, the graph opened in the same tab as the dashboard. You could not access the dashboard at the same time. This issue has been resolved. Now, the graph opens in a new view-only tab, based on the selected dashboard filter parameters.	US497986
Previously, when a dashboard used a filter query that contained an asset hierarchy (:ah) filter parameter, and you accessed it using a URL that specified the key of the asset (for example, `#dashboard/64252603546?asset=345728389`), the dashboard did not display the specified asset unless the parameter ID was **entityKey** or **enty_key**. This issue has been resolved. Now, the dashboard displays the specified asset regardless of the parameter ID used in the filter query.	US489039

Description	Tracking ID
Previously, when the date filter parameter was set, both the date and the default time (00:00:00) were displayed in the dashboard heading. This issue has been resolved. Now, when the date option is selected, only the date is displayed.	US483541
Previously, if you accessed a dashboard using a URL that specified filter parameter values, for example, `#dashboard/64252603546?asset=345728389&days=90`, the specified values may have been overridden by the global asset context or your stored user preferences. If you then attempted to change the values in the **Enter Parameter Values** window, the parameters values were reverted to the values specified in the URL. These issues have been resolved. Now, if you access the dashboard using a URL that specifies filter parameter values, these values take precedence over any stored preferences, default parameter values, and the global asset context. You can then change the filter parameter values in the **Enter Parameter Values** window and select **Done** to update the data displayed in the dashboard. **Note:** The filter parameters are also applied when you use a URL that specifies parameter values to access a graph, for example `#graph-preview/64252603546?asset=345728389&days=90`, a query, for example `#qdetail/64252603546?asset=345728389&days=90`), or, when you open a graph or query in a new tab from the dashboard widget.	US433974
Previously, when you navigated to a dashboard tab that was already open, the graph widget in the dashboard did not display as expected. This issue has been resolved.	DE171544
Previously, when you configured a **Graph** widget on a dashboard to use a multi-value filter parameter, and then opened the graph in a new tab, an error occurred. The selected parameter values were not applied to the graph. This issue has been resolved.	DE158984
Previously, when you accessed the calendar in a new tab, you could not scroll down to view the full list of the event categories, if there were multiple categories. This issue has been resolved.	DE152911
Previously, when you configured the **Calendar** widget, in the **Edit Widget** window, when you selected a query with an aggregate function, you were unable to select any values in the fields appearing in the **Event Mappings** section. This issue has been resolved.	DE150934
Previously, when you accessed APM, if the dashboard or metrics view that was previously configured as your home page was no longer accessible, a script error occurred. This issue has been resolved. Now, in this scenario a message appears specifying the issue.	DE138719

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 251: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now view Event Number for the corresponding event in the NERC GADS Event Report 07. By default, the Event Number field in an event report shows sequential numbers. To facilitate this enhancement, a new query, Get the Record Order Preference for Event Report, has been added to the Catalog folder `\\Public \Meridium\Modules\Generation Management\Queries`. You can now modify the query to return **Event ID** for the Event Number field. For more information on modifying the query, refer to KBA 000037247.	US492759
To enhance usability, in the HEADER and TRAILER fields of the CEA Event Report, value from the Primary Utility Code field is included instead of value from the Company Name field.	US489816
To enhance performance, in CEA Events, when the state of the event is moved to Unit Approved, for the CEA Event Types 11-1,11-2,14,14-1,14-2, the Cause Code System, Cause Code Component, Cause Code, Amplification Code, and Verbal Description fields in the Primary Event datasheet are no longer required fields. For more information on modifying the query, refer to KBA 000037693.	US489811

Table 252: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a primary event with an **Event Start Date** value as the first or the last date of the month, the capacity values populated from the unit capacity record would not get populated as expected. This issue has been resolved. Now, irrespective of your time zone while creating a primary event, the capacity values get populated for all the **Event Start Date**.	DE163196
Previously, when you created a Primary Event record, and then selected an event type, the value of the fields Gross Available Capacity and Net Available Capacity were calculated incorrectly. This issue has been resolved.	DE160176

Graphs

This topic provides a list of product changes released for this module in this version.

Table 253: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, you can now open a graph for editing in the **Graph Result** workspace from the view-only graph page. To facilitate this enhancement, the **Open in Graph Editor** ⬈ button has been added to the view-only graph page.	US497984
To enhance usability, the display order for legend entries in a horizontal bar graph has changed. Now, the first entry in the legend represents the top bar in a clustered bar graph or the left segment in a stacked bar graph.	US489988
To enhance usability, in a Graph, when you select a hyperlinked area or a point that references another Graph, the hyperlinked Graph now opens in a new tab.	US487712

Table 254: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you selected a series that included zero values in a bar graph, nothing was displayed for the zero values. This issue has been resolved. Now, a single width line appears with a tooltip that shows the zero value when you hover over the line.	US501452
Previously, when you created a Stock Chart Graph, and selected the **Stack Tool tips** option, the tooltips were incorrectly displayed. This issue has been resolved.	DE117569

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 255: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to a Hazard Analysis (HAZOP and What If), users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the Hazard Analysis are displayed.	US483320
Previously, when you attempted to create the first System/Node for a HAZOP Analysis or a What If Analysis, an error occurred intermittently. This issue has been resolved.	DE159426
Previously, when creating a Risk Assessment Recommendation, the **Functional Location ID** box in the **General Information** section was incorrectly populated with the key associated with the functional location instead of the ID of the functional location. This issue has been resolved.	DE157635
Previously, when you attempted to promote a recommendation to ASM, a blank message appeared in the following scenarios: • If the Recommendation Headline was missing and you attempted to Promote to ASM. • If the Recommendation was Accepted by ASM and you attempted to promote it again. These issues have been resolved.	DE157630

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 256: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now save the selected metadata items into an export template and reuse the template while exporting the metadata. To facilitate this enhancement, the **Save as Template** option is added to the export page. You can view a saved template using the **Select a Template** option.	US489934

Table 257: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you were connected to an Oracle Database, and then imported a family for which State Functionality was enabled, the import failed. This issue has been resolved.	DE167586
Previously, the import and export schedule logs were not sorted as per the start time. This issue has been resolved. Now, the logs are sorted in ascending order, with the most recent schedule at the bottom.	DE158317

Inspection Field Data Collection

This topic provides a list of product changes released for this module in this version.

Table 258: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a system code to a drop-down list box associated with the Checklist Finding family, and then added the drop-down list box to an offline form associated with the family, the system code value did not appear in the drop-down list box, when you accessed an inspection for the family in the **Inspection Field Data Collection** page. This issue has been resolved.	DE167899

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 259: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The following enhancements have been added to capture the asset health information in the Inspection Management module: • **Health Evaluation** option has been added to the **Event Configuration** section of the **Inspection Admin Preferences** page. If you select this option when creating the main event, you can create Inspection Health Evaluation records and link them to the asset. • **Enable Asset Mapping** option has been added to the **Template Name** window of the **Checklist Configuration** page. If you select this option, the **Asset Mapping** section appears in the **Create Inspection** window. • When you create a new inspection event, you can now see a new section **Asset Mapping** added to the **Create Inspection** window. You can now select the sub-assets and map them to the corresponding checklist categories. The Inspection Health Evaluations generated for these checklist categories are then linked to their corresponding asset. **Note:** The **Asset Mapping** section appears only when you select to create an inspection checklist template from the Inspection Event list, and that template has the **Enabled Asset Mapping** option selected. • To facilitate selection of asset health, new icons have been added to the **Inspection Data** page. Icons are also available for each category header in a checklist inspection. • The **Inspection Field Data Collection** feature has been modified to support the ability to capture health evaluation information when performing mobile checklist inspections. • When collecting inspection data for an event record that has Inspection Health Evaluation data, an icon indicating the health of the overall asset is available on the header of the mobile inspection. This icon shows the worst-case indicator level of the health assessments against the checklist findings. A card is available on each checklist category for defining the health assessment value and comments.	F61227

To enhance the usability, Inspection ID has been added to the following reports:
 	
• `Public\Meridium\Modules\Inspection\Reports`
`\Checklist Inspection Report`
• `Public\Meridium\Modules\Inspection\Reports\Blank`
`Checklist Inspection Report`
 	
If the report is for a Checklist Inspection Template record, the Inspection ID also contains the name of the template associated with the event.
	US491005

The following enhancements have been added to European Inspection Management: • New fields are added in the Inspection Task Family, to calculate the grace period. The new fields are included in European Inspection Task Datasheet. • You can now define Grace Period. This grace period helps in determining whether an inspection task is overdue or not. • Inspection Documentation Completion Date is now populated based on adding the Next Date, Inspection Documentation Window, and Grace period (defined by you).	US488180

Description	Tracking ID
The following enhancements have been added to Work Packs: • You can now link multiple Inspection tasks to Work Packs. • Search for Inspection Tasks can now be performed through a configurable query. You can add search criteria while searching for Inspection Tasks. The query is located at: `Public\Meridium\Modules\Inspection \Work Pack Queries\Available Tasks for Work Pack` • Work Pack Linked Inspection Tasks is now a configurable query. The query is located at: `Public\Meridium\Modules\Inspection \Work Pack Queries\All Tasks in a Work Pack` • Work Pack Linked Inspections is now a configurable query. The query is located at: `Public\Meridium\Modules\Inspection \Work Pack Queries\All Inspections in a Work Pack` • You can view the results of the above queries within a result grid that has enhanced search and filter capabilities. • You can relocate the existing Inspection Tasks between the Sub Work Packs.	• US483140 • US483137 • US483125
To enhance the usability of viewing images created using the mobile Field Data Collection feature, or created manually as reference documents, the following enhancements have been made: • An image gallery button has been added for the inspection and any related record of the inspection that supports reference documents (i.e., General Findings or sub-inspections). The image gallery displays reference documents containing images that are either directly stored in the APM or as external network paths such as UNC or URL paths. • All images created or linked to a related record of an inspection, are now also linked to the root inspection event record. This allows you to view all the images across the inspection in one location. This is also true for images synced from the Inspection Field Data Collection feature. **Note:** When you manually unlink a reference document containing an image from a related record, the link between the reference document and the root inspection event will remain. You can unlink the reference document from the inspection event record as well. • For images against either General Findings or Checklist Findings, the image gallery dialog now displays the description of the Reference Document and the Finding Summary value from the finding record. • For Checklist Inspections, a similar functionality has been added for each checklist category and an image button has been added with each category header. All images collected against finding items within that category are displayed in the image gallery. **Note:** The height of individual Checklist Finding rows has been increased for more visibility of the summary text.	US481174

Description	Tracking ID
You can now generate and download multiple Inspection Reports at a time. To facilitate this enhancement: • A new option, **Download Report** (⤓) is added in the **Inspection Management Overview** page. • A new option, **View log** is added in the **Inspection Management Overview** page to view the status of the Download Report job. **Note:** If you have a pop-up blocker enabled in your browser, you need to disable it to download the report.	US480277
You can now embed image files under the **Reference Images** section in the printed reports of the following Baseline Checklist Inspection families: • API 510 External Checklist • API 510 Internal Checklist • API 510 Internal Exchanger Checklist • API 570 External Checklist • API 653 External Checklist • API 653 Internal Checklist • Checklist Inspection Template • External PRD Checklist	US467663
You can now configure the `%TimeOut;` within the SSRS section in `appsettings.json`. The default TimeOut is set to 60 minutes.	DE165612

Table 260: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you did not have an active Risk Based Inspection license, and you attempted to open an inspection record, an error was incorrectly logged in the MI_EXCEPTION_LOG_ENTRIES table. This issue has been resolved.	DE169120
Previously, in the **IM Admin Preferences**, when you modified the options in the **Date Filter** section of the **Overview Configuration** page and saved them, a message indicating a successful save appeared. However, the changes were not saved and when you refreshed the page, the values reverted to the previous settings. This issue has been resolved.	DE165869
Previously, for non-reoccurring Inspection Tasks, the Task Execution records were not created when you selected the Inspection Task Complete option for the associated inspection event. This issue has been resolved.	DE163900

Description	Tracking ID
Previously, some queries incorrectly included direct joins to the Equipment family. This issue has been resolved. Now, Inspection Management supports both Equipment and Functional Location families in the baseline product and these queries have been corrected. The following table provides a comprehensive list of the queries affected and their corresponding Inspection Management Overview widget or tile by title. **Query** / **Corresponding Overview Widget/Tile** Public\Meridium\Modules\Inspection\Overview Queries\All Inspections for Asset / Inspections tile for Asset Overview. Public\Meridium\Modules\Inspection\Overview Queries\All Inspections for Asset with Inspection Grouping / Inspections tile for Asset Overview.	DE157675
Previously, in the Inspection Confidence Evaluation record, the values in the **Type of Inspection** field were not sorted alphabetically. This issue has been resolved.	DE157674
Previously, when you attempted to access an Asset Technical Data record using global search, an error occurred. This issue has been resolved.	DE157666
Previously, when you were switching from one tab to another in an inspection event, if there was any unsaved data in the tabs, the Save window did not appear consistently. This issue has been resolved now.	DE154418

Table 261: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The Combined Bulk Inspection Report in the following path is no longer used and has been removed from the database. ```Public\Meridium\Modules\Inspection\Reports\Combined Bulk Inspection Report``` Previously, the Combined Bulk Inspection Report was used to merge the individual reports selected into a single file for the Combined Report feature. Now, the default reports generated for each inspection family selected, are combined into a single PDF file. Also, the MHTML file format is no longer supported to view and download the files.	US504783

Installation

This topic provides a list of product changes released for this module in this version.

Table 262: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the `MeridiumAppSettings` file, you were unable to encrypt your Redis password using the `MeridiumCachePasswordUtility.exe`, when the password included a special character. This issue has been resolved.	DE157817

Layers of Protection Analysis

This topic provides a list of product changes released for this module in this version.

Table 263: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you changed the state of a Layers of Protection Analysis (LOPA) from Planning to another state, the IPL Checklist datasheet was not disabled. This issue has been resolved.	DE157928
Previously, when you upgraded the APM from V3.6 to V4.5 and you attempted to modify the Layers of Protection Analysis, the Calculated SIL value changed. This issue has been resolved.	DE157636
Previously, in the **IPL Checklist** section of the **Safeguard and IPLs** workspace, the value displayed in the **PFD** field while loading was the calculated value instead of the database value. This issue has been resolved.	DE157623

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 264: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now navigate through the fields in the datasheet for creating an LCC Analysis using the Tab key on the keyboard.	US484617

Table 265: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Analysis Summary** page, a newly added scenario was displayed at the beginning in the scenarios list. This issue has been resolved. Now, the newly added scenario is appended at the end in the scenarios list.	US485081
Previously, when you attempted to update a profile in a scenario and left the page without saving the changes, the profile was not updated. This issue has been resolved. Now, when you leave the page without saving, an **Unsaved Changes** window appears prompting you to save the changes.	US483931

Description	Tracking ID
Previously, in the result grid for an Operating Costs Breakdown chart, you could not see the Scenario Element for which the Operating Cost was being displayed. This issue has been resolved. Now, an additional column has been added which identifies the Scenario Element for the displayed costs.	US473595
Previously, you could not modify an LCC Recommendation in which the Target Completion Date was in the past. This issue has been resolved.	DE166383
Previously, as a non-English language user, you were unable to apply **Declining Balance Factor** for the **Depreciation Method**. This issue has been resolved.	DE163497
Previously, in the **LCC Analysis Overview** workspace, the results grid for the **Total Costs** chart was not populated with data. This issue has been resolved.	DE162408
Previously, in the **Analysis Summary** page, when you imported valid secondary elements into a scenario, the imported elements could not be saved. This issue has been resolved.	DE159312
Previously, in the **Equivalent Unit Cost Chart (EUC)** of **Analysis Summary** page, the result grid for the data displayed an incorrect column header, **Depreciated Value**. This issue has been resolved. The column header is now updated to **Equivalent Unit Cost**.	DE159282

Manage Translations

This topic provides a list of product changes released for this module in this version.

Table 266: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the following issues existed in localization: • In a load balanced environment, due to the incorrect Base URL, the localization data failed to sync between the servers. Now, the Base URL has been updated. • When your culture setting was set to Portuguese and you attempted to load the custom application data, the custom file was loaded with redundant baseline data. This significantly increased the file size during every custom change. • When you attempted to load the custom metadata files, the baseline data was written to custom metadata files. This increased the file size. These issues have been resolved.	DE162547

Management of Change

This topic provides a list of product changes released for this module in this version.

Table 267: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to a Change Project, users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the Change Project are displayed.	US483323

Maps

This topic provides a list of product changes released for this module in this version.

Table 268: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when your APM system used an Oracle schema, and you updated the GIS Configuration, the new settings were not applied. This issue has been resolved.	DE159225

Maximo Adapters

This topic provides a list of product changes released for this module in this version.

Table 269: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to use the Unified Asset Ingestion Data Loader to load Maximo assets or Functional Locations into the APM, the Predix Asset Model was incorrectly populated with the Unique ID instead of the Equipment ID or the Functional Location ID. This issue has been resolved.	US496687

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 270: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In the **Scorecard Details** page, the Scorecard view that you select is now saved as your user preference.	US484428
In the tabular view of the **History** of a KPI, you can now view the date in either the **User Timezone** or in the **UTC** timezone. To facilitate this enhancement, a **KPI Time Preference** setting has been added in the **Metrics and Scorecard** Application Settings, where you can set the time preference as required.	US516741

Table 271: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the **Drilldown** feature in a Metric View, extraneous characters were displayed between the navigation links. This issue has been resolved.	DE167192
Previously, a security user who was assigned to MI Metrics Viewer security group and another group with more privileges (for example, MI Metrics User security group), could not create a KPI. This issue has been resolved.	DE160309
Previously, when accessing a metric view, if you switched between the graph view and the tabular view, the tabular view displayed the US Dollar ($) regardless of the culture or the language setting. This issue has been resolved.	DE158621
Previously, when creating a KPI, if you used APM query in the **Data Source Type** field and selected values for the Worst Value, Critical Value, Target Value, Stretch Value, and Best Value fields from their respective drop-down list boxes, and then attempted to view KPI in the KPI viewer after refreshing the KPI, the values were not displayed on the chart. However, when you entered the field values manually and switched to the KPI viewer and refreshed the KPI, the values on the chart appeared correctly. This issue has been resolved.	DE158315

Mobile Proof Testing

This topic provides a list of product changes released for this module in this version.

Table 272: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you closed the **Proof Test** workspace, values in some fields (for example, **Step Sequence Number**) were cleared. This issue has been resolved.	DE159507

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 273: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the execution duration for each node is now displayed in a policy. When you select each node of a policy in Validation mode or in Execution History view mode, the Node Execution Details window displays the Execution duration.	US491145
You can now copy a policy instance from an existing saved policy instance. To facilitate this enhancement, a Duplicate option has been added to the Instance workspace.	US491141

Description	Tracking ID
To enhance usability, a new dashboard, Recent Policy Executions has been added to the General Dashboards. Using this dashboard, you can monitor the completion of policy executions and queue wait times. To facilitate this enhancement, the new dashboard and supporting queries have been added to the Catalog folder `\ \Public\Meridium\Modules\Policy Manager`.	US500241 US486832
You can now view a graph showing the average and maximum **Time in Queue** (time taken from Trigger Sent Time to Execution Start Time) for policies executed in the last 4 hours on the Policy Designer Overview page. To facilitate this enhancement, new graphs and queries are added to the catalog. **Note:** If your APM system uses an Oracle schema, you must modify the Policy Overview dashboard to use the Oracle version of the graph.	US485566
To improve performance, the Email node has been enhanced. You can now: • Define a collection (for example, the output from a Query node) to be displayed as a table (a maximum of 500 rows only) in the email body or attach to the email as a .csv file, or both. • Define the subject line of the email. • Suppress the automatic email text that shows details of the policy logic.	• US482988 • US402799
To improve the usability of the **Execution History** pane, the execution summary now displays links to the first five entities created by a Create Entity node. **Note:** You can access the links to all the created entities by selecting the Create Entity node in the execution history details displayed on the policy canvas.	US475170
You can now confirm before saving the security setting updates that will limit your access to a policy. To facilitate this enhancement, when you select **Save**, the **Confirm Security Settings** window is displayed.	US474235
Performance, while you perform search on the policy instance has been significantly improved. To facilitate this enhancement, the following changes have been made: • The search scope for instances in the **Instances, Execution History** pane and **Validation** workspaces is now restricted only to instance IDs. • The delay between typing in the search box and starting the search has been increased.	DE170376

Table 274: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the default datasheet for **Policy Recommendations** displayed the **Alert** tab, even though email notifications were not supported for **Policy Recommendations**. This issue has been resolved. Now, the default datasheet does not display the **Alert** tab. **Note:** If you have previously modified the default datasheet configuration, this change will not be applied automatically.	US515201
Previously, if your APM system contained many policy execution history records, when you accessed the Policies tab on the Policy Designer Overview, the list of policies did not load. This issue has been resolved. To facilitate this update, the default query used by the Policies tab has been modified. The following columns are no longer displayed: • Last Execution Date • Last Execution Result • Last Execution Summary **Note:** • If you have previously customized the `Public\Meridium\Modules \Policy Manager\Queries\Policy Overview – Policies` query, you must copy the new query from the Baseline folder to the Public folder and apply the customizations, if required, to apply this update. • If you have not experienced performance issues and prefer to retain the previous layout of the Policies tab, follow the steps for deploying the alternate query: Configure Alternative Query for the Policy Designer Overview Page.	US500043
Previously, when you executed a policy that called a sub policy that contained a **Create Entity** node, if the entity was not created due to an error on another node, the execution details in the Create Entity node were incorrect. This issue has been resolved.	DE168085
Previously, when you did not have an active license for Policy Designer in your APM system, and you configured the R Server Connection to use the Machine Learning Server, an error occurred when you subsequently attempted to access the **R Server Connection** page. This issue has been resolved.	DE164156
Previously, if your APM system used the Machine Learning Server to execute R Scripts, and you executed or validated a policy where the R Script had an error, the R Script node did not show the error message and null output values were passed to any successor nodes in the policy. This issue has been resolved. Now, the R Script node shows an error message, the successor nodes are not executed, and the policy execution results in an error.	DE163897
Previously, the Constant node icon size did not match with the other icons in the application. This issue has been resolved. The icon for the Constant node has been updated to .	DE163680
Previously, in the Policy Instance Data Loader, when you attempted to assign a record in a family where the Family ID differed from the Physical Table Name to a Point Value node, the policy instance was not created correctly. This issue has been resolved.	DE160265

Description	Tracking ID
Previously, if you executed a policy where a Close Event node followed an **Or** node, and a calculation or comparison node preceding the same **Or** node was not executed due to the policy logic, an error occurred, and the policy event was not closed. This issue has been resolved.	DE159541
Previously, in an Oracle schema, when you searched for a user to assign to an Instance, an error occurred. This issue has been resolved.	DE157802
Previously, in an Edit Entity node, if any of the specified entity keys were not found in the specified family, an incorrect error message appeared, and the policy execution resulted in an error. This issue has been resolved. Now, a correct warning message is displayed, and the policy execution is successful.	DE157112
Previously, when you selected Policy Recommendation, Production Event or Health Indicator Value in the Family ID section of a Create Entity node, and then added a new Create Recommendation, Create Production Event or Add Value to Health Indicator node, respectively, the fields in the new node were not displayed as expected. This issue has been resolved.	DE144639
Previously, when your APM system contained multiple instances of the Policy Trigger service, and you added a new reading to a measurement location which was the triggering input for a policy instance, multiple executions were triggered. This issue has been resolved.	DE141928
Previously, when you mapped an input with Integer datatype to an input of a Math node or a Comparison node, and an input with undefined datatype, for example, a calculated query column, to the other input, an incorrect error message appeared in the notification bar and the policy could not be activated. This issue has been resolved.	DE132771

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 275: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
A new query, GetAllPLAPolicyInstances, has been added to the Catalog folder `Public\Meridium\Modules\PLA\Queries`. This query enables you to populate the instances of a PLA policy in a Production Profile record.	US485272
To improve usability, you can expand and collapse the Production Summary chart in the PLA Production Summary page.	US513120

Table 276: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a Production Plan, if the number of products that caused the Production Plan ID to exceed 200 characters, an error occurred, and the plan was not created. This issue has been resolved. Now, the character limit for the Production Plan ID is 1000 characters, which allows more products to be included in a Production Plan.	US488980
Previously, the Data Grid column headers on the Production Data page were not translated to the local language based on your profile culture setting. This issue has been resolved.	US485290
Previously, when you navigated quickly between the tabs in the Production Loss Analysis module, an error occurred. This issue has been resolved.	US483938
Previously, when you regenerated a Production Plan, the value of the Plan End Time field was always set to one month after the Plan Start Time, irrespective of the initial End Time field value in the plan. This issue has been resolved.	DE159089
Previously, when you attempted to link nine or more work histories to a Production Event, you could not save them because the **Cancel** and **OK** buttons were unavailable. This issue has been resolved.	DE158233
Previously, when you attempted to update a Production Event record, a blank screen appeared when you saved the changes. This issue has been resolved.	DE158231
Previously, in a Production Plan, you could not access the **Production Event** workspace when you operated on a small screen device. This issue has been resolved. Now, you can access the **Production Events** workspace in all supported devices.	DE158228
Previously, when you attempted to unlink Production Events from Production Losses, which were related to Production Plans upgraded from previous versions of the APM, an error occurred. This issue has been resolved	DE158226

Table 277: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you attempt to create or update a Production Profile using the PLA Data Loader, the upload fails if the **Product Alias** field value contains a comma. **Note:** Do not use commas in the Product Alias field.	US505557
In the **Production Summary** workspace of a Production Plan, the following field headers do not appear in the APM User's local language: • **Planned** • **Actual** • **Loss** • **Cost** In the **Existing Losses** window accessed from the **Production Data** workspace, the following field headers do not appear in APM User's local language: • **Start Time** • **End Time** • **Loss Amount** • **Equivalent Downtime hours** • **Margin ID** • **Impact Code** • **OEE Code** • **Production Event** • **Comment** In the **Production Losses** workspace of a Production Plan, the following field headers do not appear in APM User's local language: • **Loss Amount** • **Margin Value** • **Cost** • **Planned Production**	US505557

Queries

This topic provides a list of product changes released for this module in this version.

Table 278: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in edit mode, you can now open the selected query in the query design page from the **Edit Widget** window of a Calendar widget. To facilitate this enhancement, a new button, **Open in New Tab** ( ) has been added to the **Edit Widget** window.	US508133
To enhance usability, you can now open a query in the **Design** workspace from the results-only view. To facilitate this enhancement, a new **Open in Query Editor** button ( ) has been added to the results-only view.	US497980

Description	Tracking ID
To enhance usability, you can now export a query to a file from the results-only view. To facilitate this enhancement, a new **Export to a File** button ( ) has been added to the results-only view.	US470779
To improve usability, in APM, when you execute an append query, the query now returns error messages specific to the error. **Note:** If there are more than one errors, the next error message appears only when you have resolved the error that is already displayed.	US186085

Table 279: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you exported a query to a dataset using the **Export to a Dataset** option, the Catalog Items folder was provided as the default location to save the query results. This issue has been resolved. Now, when you export a query to a dataset, the most recent folder location is retained and provided in the Save As window.	US186122
Previously, in the Query Designer page, the new fields that were added to the family when you selected **Spread to Sub Families**, were not displayed in the query columns (family fields). This issue has been resolved.	DE171705
Previously, in the Query Designer page, when you created a manual join between two families, and then selected the fields in the query from the second family, an error occurred. This issue has been resolved.	DE170804
Previously, in the **Results** workspace, when you attempted to search for a date in the Date column with hyperlink, the search failed to filter the results. Similarly, in the **Results** workspace, when you attempted to sort the Date column with hyperlink, the results did not get sorted. This issue has been resolved.	DE169088
Previously, when you executed a query that used a ROUND expression that referenced a stored query, an error occurred when you attempted to sort or filter the values in the query result. This issue has been resolved.	DE163524
Previously, in APM, if you reopened a criterion for a Crosstab query, an error message appeared. This issue has been resolved.	DE163612
Previously, when you changed a Crosstab query into a Select query, and then changed back to the Crosstab query and executed this query, an unknown error appeared. This issue has been resolved.	DE163421
Previously, when you attempted to sort the column values in the **Results** workspace of a distinct or union query, an error occurred. This issue has been resolved.	DE163216
Previously, if you added a hyperlink in a Query, and the query result used as a parameter by the hyperlink included a special character such as **&**, the hyperlink did not work as expected. This issue has been resolved.	DE149786

Description	Tracking ID
Previously, when you updated a **Predecessor Join** field parameter and attempted to open the properties again, the **Predecessor Join** field parameter reverted to the original field parameter. This issue has been resolved.	DE167376
Previously, when you attempted to use **Page-Up** or **Page-Down** keys within the SQL text area in the query designer, the header disappeared. This issue has been resolved.	DE167357

Table 280: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you select the **Export to Dataset** option for a Query, the **Save As** window displays the last selected Catalog folder, but the **Save** button is not available. If you select the Catalog folder that is shown as selected, the **Save** button appears.	DE167658

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 281: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now configure the email address from which the Conditional Alert emails are sent in the **From** field in the **Email Settings** page.	US501541
To improve functionality, you can now add an email message (.msg) file as a reference document to a record, from the **Add Reference Document** window.	US499631
To improve usability, you can now specify new or updated field values in the URL that is used to open an existing record for editing in Record Manager. **Note:** The new or updated field values specified in the URL are saved only when you select **Save** in the Record datasheet.	US489063

Table 282: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed a record using a URL with the format `#record-manager/entity_key?datasheetid=ID`, the record was displayed using the default datasheet instead of the datasheet with the specified ID. This issue has been resolved.	DE167133
Previously, when you imported an existing system code reference behaviour on an existing family, and attempted to save the data records, an error occurred. This issue has been resolved.	DE166838

Description	Tracking ID
Previously, when you accessed records in the Bulk Datasheet view, you were able to edit fields that were disabled by a rule, for example, fields in approved Calibration Events. This issue has been resolved.	DE162849
Previously, when you manually entered a date in the measurement date field in the two-digit format, (for example, 19 instead of 2019), and then saved the record, the date was updated to the current date and saved. This issue has been resolved.	DE159595
Previously, when creating a new Conditional Alert record, if you selected an email recipient from the **Fixed Distribution List** drop-down menu and saved the record, Conditional Alert email was not sent to the recipient. This issue has been resolved.	DE158319
Previously, when a conditional alert email was generated, the timestamp did not appear in the email. This issue has been resolved.	DE158318
Previously, when a conditional alert was executed, the alert message was blank in the following scenarios: • The conditional alert was associated with a query. • The query contained a subquery. This issue has been resolved.	DE158316
Previously, if you used the recent browser versions to access the APM system, and then exported a datasheet or result grid to PDF, the PDF print was broken and resulted in a blank output. This issue has been resolved.	DE158106
Previously, an error occurred if the input values entered in a JSTrigger form included special characters. This issue has been resolved. Now, the input values are encoded, enabling special character to be included in the text.	DE158105
Previously, when you attempted to configure the Reference Document Server credentials, and if you assigned a large number of Sites, Groups, or Roles, or if the Shared Directory path was longer than 100 characters, an error occurred, and you could not save the record. This issue has been resolved.	DE157810
Previously, the documentation of the URLs to create and open records in Record Manager was incorrect. This issue has been resolved.	DE156928
Previously, in the Reference Documents list that was displayed in an analysis (for example, in a Root Cause Analysis), the Last Updated Date did not use the correct display format for the user's culture. This issue has been resolved.	DE156923
Previously, in a datasheet, when the **Turn On Help Text** feature was enabled, the multi value fields did not display the help text correctly. This issue has been resolved.	DE153621
Previously, when you displayed records in a Bulk Data Form and selected a Datasheet that used Column layout, the default column captions were displayed instead of the captions defined in the datasheet layout. This issue has been resolved.	DE150303
Previously, if you deleted or inactivated a predefined value used in the drop-down list for a field, and you viewed an existing record using that value, a null value was displayed. This issue has been resolved. Now **inactive** is appended to the displayed value and you can no longer select the inactive value when editing the field.	DE137420

Table 283: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The following fields have been removed from the Conditional Alerts datasheet: • Email Origin • Email Subject Line	US501541

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 284: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you navigated quickly between the tabs in the Reliability Analytics module, an error occurred. This issue has been resolved.	US483938
Previously, when you added content in the Reliability Spares Analysis, and then changed the application name, the content was lost. This issue has been resolved.	DE169546
Previously, if event dates were not added for all the datapoints, the extrapolation method failed to estimate the number of measurements. This issue has been resolved. Now, only a minimum number of datapoints are required to execute extrapolation of failure dates.	DE165958
Previously, in the Reliability Analysis charts, when you hovered over the extrapolated line, the tooltip did not provide the correct data. This issue has been resolved.	DE165880
Previously, in **Automation Rules** section, as an APM user restricted to view-only permissions for Reliability, you were able to select 👤. This issue has been resolved.	DE164770
Previously, in Spares Analysis, an error appeared when you tried to navigate quickly between pages. This issue has been resolved.	DE163425
Previously, when you executed a new Automation, the target reliability analyses were not updated with the most current data. This issue has been resolved.	DE162462
Previously, you were unable to ignore the datapoints by clicking the datapoints on the chart. This issue has been resolved.	DE162409
Previously, when you executed new Automation rules for existing reliability growth records, duplicate records were created instead of updating existing records. This issue has been now resolved.	DE162405
Previously, when you created a Production Analysis from a query, if the data contained many records, the operation exceeded the timeout period and failed. This issue has been resolved. Now, to avoid the timeout issue, the query results have been restricted to 5000 records. If there are more than 5000 records, a warning message appears asking you to modify the query.	DE162231

Description	Tracking ID
Previously, when you executed a rule in Reliability Analytics Automation Rule, and if the calculated value was very small, an error message appeared for Oracle database users, stating that the Distribution could not be saved. This issue has been resolved.	DE161495
Previously, in System Reliability, when you added a **Risk**, **Action**, or **Global Event** and then selected the **Save** button multiple times in quick succession, multiple **Risks**, **Actions**, or **Global Events** were created with an error message. This issue has been resolved. Now, entities can only be saved once, irrespective of the number of times the **Save** button is selected.	DE160662
Previously, in **Spares Analysis** section, if your culture setting had a culture other than English, when you generated a report, multiple fields were not translated to the language based on your culture setting. This issue has been resolved. **Note:** • Abbreviations are not localized. • User defined fields are not localized.	DE160212
Previously, in Reliability Distribution, the icons displayed next to each of the entry in the Chart Legend, and the icons displayed in the actual chart did not match. This resulted in incorrect data interpretation. This issue has been resolved.	DE158351
Previously, when you attempted to delete a Reliability Analysis without delete privileges, a generic error message appeared saying internal server error. This issue has been fixed. Now, if you attempt to delete an analysis without delete privileges, an error message appears saying, you do not have delete privileges for this application.	DE158185
Previously, in **System Reliability** section, as an APM user restricted to view-only permissions for Reliability, you were unable to see the details in a Global Event. This issue has been resolved.	DE158174
Previously, in a System Reliability Analysis, when you linked a planned resource to a scenario in the analysis, the resource was automatically unlinked from the planned resource list and you could not add the resource back. This issue has been resolved.	DE157864

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 285: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the usability of the baseline datasheet, the following fields have been removed: • Create Work Request? • Work Request Reference • Work Request Equipment • Work Request Functional Location • Target Completion Date • Service Record Id These fields are only applicable for Performance Recommendations.	US485341
The performance when adding assets to an analysis for assessment has been improved. To facilitate this enhancement, a new window, **Add Assets**, now appears when you attempt to add assets to an analysis.	US484611
To improve performance, the **Save as Template** functionality has been converted to a background job. In case of an error, the corresponding details are available in the job status, which appears in a separate window on the same page.	US484123

Table 286: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Decision Logic Builder was not working as expected. This issue has been resolved.	DE170570
Previously, you could consolidate recommendations linked to different assets in RCM. This issue has been resolved.	DE166051
Previously, when you uploaded the **RCM Template, FMEA Analysis Template**, or **FMEA Asset Template** through the data loader, a warning message was displayed for the below fields: • MI_TM000000_ID • MI_RCMEQPMT_EQUIP_ID_C • MI_RCMEQPMT_SHORT_DESC This issue has been resolved.	DE161367
Previously, users with MI RCM User security group permission were unable to access RCM analysis. This issue has been resolved.	DE160674
Previously, when you attempted to import data through dataloader, the operation timed out if the excel file had many Failure Effects and Recommendations. This issue has been resolved.	DE160108
Previously, after applying a template to an RCM analysis at Function and Function Failures levels, the hierarchy took a long time to load. This issue has been resolved.	DE158902

Description	Tracking ID
Previously, when loading data though dataloader, financial details were not updated as per the dataloader worksheet. This issue has been resolved.	DE158069
Previously, in the RCM **Analysis Details** section, when you accessed the Risk card of the **Failure Effect**, Risk Category ID appeared instead of Description alias. This issue has been resolved.	DE154478

Reports

This topic provides a list of product changes released for this module in this version.

Table 287: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, using the **APM Report Designer,** when you attempted to deploy a report that contained a large amount of data, an error message appeared. This issue has been resolved.	DE162311

Previously, you could not pass the date parameter values in SSRS report viewer hyperlinks formed using Query Designer tool with the following format:
 	
`#ssrs/viewer/<QUERY-CATALOG-PATH>/P0={1}/P1={2}/P2={3}`
 	
This issue has been resolved. Now, the support for report hyperlink has been added in the query string format, as follows:
 	
`#ssrs/viewer/<QUERY-CATALOG-PATH>?P0={1}&P1={2}&P2={3}`
	DE160308

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and 581

Table 288: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
RBI Analysts can now carry out Risk Based Inspection on Functional Location and perform the following RBI analysis on Functional Location: • RBI-580 analysis • RBI-581 analysis • PRD analysis • Pipeline analysis Additionally, the Functional Location supports the following functionalities: • Bulk evergreening • Export • Data loader • Inspection plan • Inspection Grouping	US483495

Table 289: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Active** page of **RBI Evergreening** workspace, when you generated the bulk recommendations for analyses of components linked to the same parent asset, the recommendations were not consolidated. This issue has been resolved. Now, when you generate the recommendations and select **yes** on the **Generate Recommendations** window, the Recommendations are consolidated based on Degradation Mechanism and Task Type.	DE168063
Previously, in the **Analysis** workspace, when you added a Degradation Mechanism Evaluation in the **Degradation Mechanisms** section, the Controlling Corrosion Rate, Long Term Avg. Corr. Rate, and Short Term Avg. Corr.Rate fields were not populated. This issue has been resolved. Now, these fields are populated based on the source of Calculated Corrosion Rate field of the parent RBI Component.	DE166076
Previously, when you accessed the **Analysis** workspace by navigating through the Process Unit workflow, the Inspection Plan hyperlink was not displayed. This issue has been resolved.	DE165417
Previously, when you approved an Inspection Plan with a Consolidated or Superseded Master Recommended Action in the Not Required state, an action was erroneously created and linked to the Master Recommended Action. This issue has been resolved. Now, when you approve an Inspection Plan, no actions are created for Recommended Actions in the Not Required state.	DE165764
Previously, when the RBI Components were linked to a Corrosion Loop through Risk Based Inspection (RBI) Corrosion Loop data loader, Potential Degradation Mechanisms linked to the Corrosion Loop were not added to the RBI Components. This issue has been resolved.	DE157768

Description	Tracking ID
Previously, when creating a new RBI Component, in the **Create New RBI Component** window, the values in the Component Type drop-down list box appeared in English regardless of your culture settings. This issue has been resolved. Now, the Component Type drop-down list box is populated with the values from the MI RBI COMPONENT TYPES system code table and appear in the language based on your culture settings.	DE157760
Previously, the RBI Corrosion Loop table in the **Unit Summary** workspace took a long time to load. Now, performance improvements have been made to reduce the time to load the table.	DE157692

Table 290: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The Asset Counts for Units query is deprecated. The query is no longer used to show assets associated with a process unit in the **Process Units** section of the **Risk Based Inspection Overview** page. However, the **Process Units** section continues to show the count of the associated corrosion loops.	DE164828

RBI 580

Table 291: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now export RBI Criticality Analyses to an excel format from either of the following workspaces: • The RBI Evergreening workspace • The RBI Analysis Export workspace The exported file is in the Risk Based Inspection (RBI) 580 Data Loader template format. This provides the ability to modify the exported analysis data and re-import for easy bulk editing. To facilitate this enhancement, Export Analyses feature has been introduced.	US483624
To enhance usability, when duplicating or evergreening an RBI Criticality Analysis, if the Source of Calculated Corrosion Rate field on the related RBI Component is set to Manual, then the Short Term Corrosion Rate and Long-Term Corrosion Rate field values are now copied to the new RBI Criticality Analysis.	US466736

Table 292: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, some fields in the RBI Criticality Analysis family displayed incomplete help content. This issue has been resolved. For more information on the list of fields updated for the help content, refer to KBA 000038624.	DE167992
Previously, the import of data using Risk Based Inspection (RBI) 580 Data Loader failed if there were errors due to calculation validation. This issue has been resolved. Now, the RBI 580 Data Loader has been enhanced to issue warnings when calculation validation errors are present and allows the import of data to complete successfully.	US487232
Previously, in the **Degradation Mechanisms** section of an analysis, in the **Other Damage Mechanism Evaluation** datasheet, the **Probability Category** drop-down list box was not populated for the following Damage Mechanisms: • 885 Embrittlement • Microbiologically Induced Corrosion • Refractory Failure This issue has been resolved. Now, records for the probability categories 1-5, associated with each Damage Mechanism have been added to the Degradation Mechanism Evaluation Factors family.	DE157762

RBI 581

Table 293: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, in the **Global Preferences** workspace of the **RBI Admin Preferences** page, Enable Release type calculation as per RFI-8388 is added. When this preference is selected, the Release Type calculation for RBI 581 Consequence Evaluations does not require the release mass to be greater than 10000 for the Release Type to be Instantaneous. This preference is not selected by default.	US492953
You can now export RBI 581 Risk Analyses to an excel format from either of the following workspaces: • The RBI Evergreening workspace • The RBI Analysis Export workspace The exported file is in the Risk Based Inspection (RBI) 581 Data Loader template format. This provides the ability to modify the exported analysis data and re-import for easy bulk editing. To facilitate this enhancement, Export Analyses feature has been introduced.	US483624
To enhance usability, when duplicating or evergreening an RBI 581 Risk Analysis, if the Source of Calculated Corrosion Rate field on the related RBI Component is set to Manual, then the Short Term Corrosion Rate and Long-Term Corrosion Rate field values are now copied to the new RBI 581 Risk Analysis.	US466736
You can now calculate an RBI 581 Risk Analysis with the Representative Fluid field set as H2O (Water) on a Storage Tank Bottom component. To facilitate this enhancement, the H2O (Water) Representative Fluid record has been updated with a Dynamic Viscosity value.	US453124

Table 294: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the import of data using Risk Based Inspection (RBI) 581 Data Loader failed if there were errors due to calculation validation. This issue has been resolved. Now, the RBI 581 Data Loader has been enhanced to issue warnings when calculation validation errors are present and allow the import of data to complete successfully.	US487232
Previously, when you loaded the **RBI 581 ISO Risk Matrix** workspace with more than 1,000 assets for a process unit, the risk values of the assets were not plotted. This issue has been resolved. Now, the maximum limit of assets has been increased to 10,000.	DE169491
Previously, if the value of Culture field in your user settings was not set to English and you added an RBI 581 Thinning Degradation mechanism to an active RBI 581 Risk Analysis, you could not see the Corrosion Rate in the **Corrosion Analysis** section of the RBI 581 Asset Risk Report. This issue has been resolved.	DE160127
Previously, the value in the Base Damage Factor field in the RBI 581 Brittle Fracture Damage Evaluation datasheet related to an RBI 581 Risk Analysis was calculated incorrectly for certain combinations of CET-Tref and Furnished Base Material values. This issue has been resolved.	DE157767
Previously, the Tmin Calculations in RBI 581 for Component Type Storage Tank were based on the **Geometry Type** selected. This issue has been resolved. The Tmin formula for Storage Tank components has been updated to match the API specification. For more information on how to identify the applicable assets that require a recalculation, refer to KBA 000037310.	DE157766

Description	Tracking ID
Previously, the **Fracture Appearance Transition Temperature (FATT)** field in 581-Low Alloy Steel Embrittlement degradation mechanism contained an incorrect Unit of Measure (UOM). As a result, the calculated value of the Damage Factor for the degradation mechanism was incorrect for a non-imperial user. This issue has been resolved. The field caption for **Fracture Appearance Transition Temperature (FATT)** has been modified to **Delta Fracture Appearance Transition Temperature (Delta FATT)** to indicate the correct UOM.	DE157764
Previously, in the Picklist tab of RBI 581 data loader template, the following process fluids were not available: • Acid-HP • Acid-LP • Acid-MP • C1 • C10(Kerosene) • C11 • C12 • C2 • C3 • C4 • C5 • C6 • C7 • C8(Gasoline) • C9 • NH3 This issue has been resolved.	DE157761

Table 295: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The Fluid Viscosity table is deprecated and is no longer used to validate the representative fluid field on RBI 581 Risk Analyses for Storage Tank Bottom components. Now, the DynamicViscosity field in the Representative Fluids table is used for validation.	US499819

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 296: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in an RCA recommendation, when you enabled the State to Status mappings, and Completed the Recommendation from the Recommendation Panel, the Implementation Date and Status field values were not updated. This issue has been resolved.	DE167035
Previously, when you navigated quickly between the tabs in the RCA module, an error occurred. This issue has been resolved.	US483938
Previously, you could not save RCA Recommendations if the target completion date had passed. This issue has been resolved.	US419972
Previously, when you copied a node in an RCA Event diagram and enabled the Show Event Dates option, the copied node displayed the timestamp for copying, with the event dates. This issue has been resolved. Now, the copied node correctly displays only the event dates associated with the node.	DE164773
Previously, when you accessed a Verification added to a Hypothesis in an RCA Analysis created from a Template, an **Unsaved Changes** window appeared even when you did not make any changes. This issue has been resolved.	DE164725
Previously, when you created a new RCA Analysis and navigated to a logic tree or an event diagram, the RCA Event displayed a global site key, irrespective of the site key of the parent analysis. This issue has been resolved. Now, for a new analysis, both RCA Analysis and RCA Event display the site key of your default site.	DE164699
Previously, even when you enabled the **Send Notification on Due Date?** field in an RCA Verification, you did not receive the email alert on the due date set. This issue has been resolved.	DE164646
Previously, when you generated the RCA SSRS Comprehensive Analysis Report, the report did not include the details from the RCA Verifications. This issue has been resolved.	DE164520
Previously, when you created a copy of an RCA Analysis, the newly created Analysis could not copy the Assigned To details for the RCA Verifications. This issue has been resolved.	DE164343
Previously, when you published an RCA analysis, the email notification to the designated addressee failed. This issue has been resolved.	DE162656
Previously, in the grid below the Hypothesis Verification chart, the details in the **Hypothesis** and **Team Members** fields were not populated . This issue has been resolved.	DE162532
Previously, when you generated RCA Comprehensive Analysis report, the report was generated without Logic Tree and Event diagrams. This issue has been resolved.	DE162401
Previously, if you were a member of the team associated with a Root Cause Analysis (RCA), you could change the state of the RCA from In Progress to Pending Approval only if you were assigned with the Principal Analyst role. This issue has been resolved. Now, irrespective of the team member role, you can change the state of the RCA if you are assigned to a security group or a security role that has privileges to change the states.	DE162398
Previously, in the RCA Recommendations, the fields did not appear in the language based on your language settings. This issue has been resolved.	DE162393

Description	Tracking ID
Previously, when **State Management** was enabled in RCA analysis, you were unable to save the analysis as a template in any other state except for **Not Started**, and an error message appeared. This issue has been resolved.	DE162391
Previously, in the **Team Members** tab of the RCA **Analysis Summary** section, as an MI RCA PROACT Admin you were unable to modify the Team Member permissions when you were not part of that Team on an RCA Analysis. This issue has been resolved.	DE162381
Previously, you were unable to save RCA Recommendations if target completion date was in the past. This issue has been resolved.	DE162351
Previously, in the RCA Overview page, you could not publish RCA Template even though the RCI check box was selected and the Publish option was enabled. This issue has been resolved. Now, the Publish option for RCA Template is enabled only in the following scenarios: • The selected RCA Template is sourced from an RCA Analysis, and is not an RCI sourced Template. • RCA Administrator permission are set for the user.	DE160244
Previously, in the RCA Event Timeline, the labels along the time axis did not appear in the language set in the culture setting. This issue has been resolved.	DE159709
Previously, in the **RCA Administrator** workspace, the Event Type List for Event Timeline did not appear in the language based on your culture setting. This issue has been resolved.	DE159707
Previously, in the RCA Event Diagram, when you double-clicked a node in the diagram, an error message "Failed to load datasheet" may occur. This issue has been resolved.	DE159806
Previously, when you accessed the RCA Event Diagram originating from the APM V3 in APM V4, the nodes did not appear as expected. This issue has been resolved.	DE158454
Previously, if your Language setting was not English, and you accessed the Event Timeline diagram for an analysis, the event types were not translated to the language corresponding to your Language setting. This issue has been resolved.	DE158383
Previously, in the RCA Event Timeline, irrespective of the event that you changed and saved, a message appeared that the secondary event was saved successfully. This issue has been resolved. Now, you receive a message indicating the specific event that you have changed.	DE158190
Previously, when you selected an RCA Template, you could view the Publish and Unpublish buttons without Super User or Administrator privileges. This issue has been resolved. Now, you can view the Publish and Unpublish buttons only if you have the required privileges.	DE158187
Previously, in the **Preserve Records** section for a Root Cause Analysis, some of the fields were not translated based on the Language setting for your user account. This issue has been resolved.	DE158186
Previously, in the **Team Members** section for a Root Cause Analysis, some of the fields were not translated based on the Language setting for your user account. This issue has been resolved.	DE158182

Description	Tracking ID
Previously, when you published an RCA Analysis and enabled the option to send an email to the linked EAM system, the email message was not received by the linked EAM system. This issue has been resolved.	DE158179
Previously, any RCA User could delete an analysis. This issue has been resolved. Now, only Super Users, APM Administrators, and Principal Analyst for the specified analysis can delete an RCA Analysis.	DE158178
Previously, in the RCA **Team Members** section of the **Analysis Summary** page, when you accessed the HR record, it opened the list of all available APM users. This issue has been resolved. Now, when you open the HR Record in Teams, it loads only the APM users with site permissions corresponding to the parent analysis.	DE158051

Rounds Data Collection

This topic provides a list of product changes released for this module in this version.

Table 297: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the GIS coordinates associated with data captured for a checkpoint were collected periodically. Now, you can capture the GIS data more frequently and consistently. To use the updated GIS coordinate process, in the Rounds Designer module, in the Rounds Default Device Settings workspace, set the **Maximum length of time (seconds) that is allowed to retrieve GIS data** to a value greater than zero.	DE166548
Previously, when a recommendation was created in Rounds Data Collection, the label **Created** was not localized. This issue has been resolved.	DE161541
Previously, the **Recommendation Type** value on the **Recommendations** tab was not localized. This issue has now been resolved.	DE157439

V4.6.11.0.0

This topic provides a list of product changes released for this module in this version.

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 298: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed a Route using the Route History datasheet, an error occurred intermittently. This issue has been resolved.	DE163001
Previously, certain Measurement Locations and Lubrication Requirements were not available in the Add Existing ML/LR function. This issue has been resolved. Now, these checkpoints are available to add to Routes.	DE162960

Description	Tracking ID
Previously, in the Rounds Designer Overview workspace, when multiple changes were done to the users assigned to a route and you attempted to save the changes, the loading icon ( ) appeared indefinitely and the changes were not saved. This issue has been resolved.	DE161028
Previously, when you added the first ML or the first LR to a route, an error message appeared. This issue has been resolved.	DE160896
Previously, in the **Compliance** workspace of the Rounds Designer administration page, the schedule defined for a task to track compliance did not appear as expected. This issue has been resolved.	DE155906

Rounds Pro

This topic provides a list of product changes released for this module in this version.

Table 299: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you schedule a route to end after a specific time, you are unable to save the route if you have set up the schedule with some occurrences in the past. You must set up the schedule so that all new scheduled occurrences are created in the future.	DE172400
When you attempt to filter the **Assigned To** column data in the **Open Instances**, or the **Instance History** pages, an error occurs if you are a secure user.	DE172186
Currently, you cannot use picklists that contain special characters in their name on steps and steps templates. To work around this issue, you must modify the picklist name to exclude the special character.	DE172183
When you attempt to re-sequence steps within a route, the performance may degrade when you move steps when there are more than 200 steps under a given asset node on the route. Though the re-sequencing action does not fail, the action does not complete within optimal performance expectations.	DE172180
When you delete a route master, the confirmation message that the delete was successful does not appear and the deleted route master still appears in the list of route masters. Close the **Route Details** page and refresh the list of route masters, to verify that the route master has been successfully deleted.	DE172179
When you copy and rename a step with associated conditional steps, the mappings on the conditions records are not retained.	DE172127
If you are not operating the mobile device on a reliably fast network, you may encounter delays and errors. In this case, move to a better network and use the mobile device. Code and network optimizations are continuing to be worked and will be delivered in future patches.	DE172059
In the **Rounds Designer** page, if you add a nested Conditional Step to a Step that is already specified as a Conditional Step on a Primary Step, then the nested Conditional Step will not be available when the Primary Step is included on a Route.	DE171733

Description	Tracking ID
In the **Rounds Designer** page, if you add a step that contains a hashtag (#) in the name, an error message appears indicating that the Asset Key is not passed in the request. Close the error message window and save the step.	DE171246
Site functionality is not fully supported within Rounds Pro. Steps inherit the site for the Asset or FLOC that they are created under. If you do not have access to the assets due to a site access restriction, then any instances that you create from the web or from the mobile application will not contain those steps that exist under the specific assets. If you have a broader site access and create the instance, the steps will be part of the instance and all users will be able to see and update those steps in the Rounds Pro mobile app.	DE170565
When you attempt to create a Health Indicator using the **Generate Health Indicators** section while creating a step, the health indicator creation may fail, and an error message appears indicating that the action has failed. In this case, you need to create a new step.	DE170265
When you modify a step template to use a new picklist and picklist values, the save button (🖫) does not get enabled with the changes. A work around for this issue is to modify the step description also to enable the save button (🖫).	DE168473
You cannot add a primary step as a condition to itself in the first level. However, you can add the primary step as a condition at the second or later levels.	DE158339

SAP Adapters

This topic provides a list of product changes released for this module in this version.

Table 300: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you set the parameter REJECT_EMPTY_PATH to ON in FILE configuration table FILECMCUST, the SAP Adapters fail with an error message. This issue has been resolved.	US499236
Previously, when you performed Data Extraction using SAP adapters, if the extraction job contains fields with data type INT1 (Single byte data type), the extraction failed. This issue has been resolved.	US484893
Previously, in SAP Adapters help, the following tables were missing in the **SAP Tables Required** section of the **APM Connect User Profile Requirement** topic: • IFLOTX • TJ02 • TJ30 • T356_P • T370K_T This issue has been resolved.	DE158554

Description	Tracking ID
Previously, if a cell text in the ingestion Excel template, which was generated using an automated tool, contained double quotes **(")**, the data loader framework did not work as expected. This issue has been resolved.	DE158418
Previously, in SAP interface of **Work History**, the MI_EVENT_STRT_DT field was not populated correctly for all the Work Order Objects. This issue has been resolved.	DE156753

Schedule Logs

This topic provides a list of product changes released for this module in this version.

Table 301: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled jobs, some of the jobs were not executed successfully because the jobs went to **BLOCKED** state in the QRTZ table. This issue has been resolved. Now, to unblock these jobs, you can execute the SchedulerCleanupJob by selecting the **Recover Jobs** button. **Note:** The frequency at which the SchedulerCleanupJob is executed can also be configured in `appsettings.json` file at tenant level.	DE163382

Search

This topic provides a list of product changes released for this module in this version.

Table 302: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance performance, in search, the search index will no longer include the related entities of an entity.	US512610

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 303: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to an SIL Analysis, users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the SIL Analysis are displayed.	US483318
Previously, in **SIL Analysis**, when you defined a negative value for Trip Point in the Proof Test Template Details and performed a Proof Test task, the calculated result appeared as Fail in the Pass/Fail column. This issue has been resolved.	DE171455
Previously, for a Protective Instrument Loop, when you set a Logic Solver device (for example, Triconex Tricon) for which one or more failure rates were not defined in the Analog Input, Analog Output, Digital Input, or Digital output modules, an error appeared. This issue has been resolved.	DE170898
Previously, when you added a custom device with a linked equipment to the Final Element or a Sensor, and then attempted to update the related sensor group or final element group, an error occurred. This issue has been resolved.	DE168136
Previously, in the **Definition** tab of the **SIL Verification** section, if IEC 61508 was selected from the drop-down list of the **Test Architecture Constraints**, SIL-Achieved value was not calculated correctly for a Protective Instrument Loop. This issue has been resolved.	DE165806
Previously, for a Protective Instrument Loop that used the ExSILentia V4 Calculation Engine, the **SIL-Achieved** and **Architectural Constraints** fields were not displayed correctly. This issue has been resolved.	DE164599
Previously, when you attempted to save a Protective Instrument Device, if any error occurred, an incorrect error message was displayed. This issue has been resolved.	DE164133
Previously, when you created a new or updated an existing SIL Analysis, Instrumented Function, Safety Instrumented System, or Protective Instrument Loop Element, the Modified By and the Modified Date fields did not display correct values. This issue has been resolved.	DE164107
Previously, when a user assigned to SIS Administrator or SIS Engineer security group attempted to create a Risk Assessment Recommendation, an error occurred. This issue has been resolved.	DE162163
Previously, in the Risk Assessment Recommendation datasheet, the **Interval** and **Interval Units** fields appeared in the Alert tab instead of the General Information tab. This issue has been resolved.	DE161964
Previously, after importing a Protected Instrument loop into the APM, when you attempted to modify the Protected Instrument loop record, an error occurred. This issue has been resolved.	DE160394
Previously, when you updated the state of a Protective Instrument Loop to a state other than Design, the fields in the Protective Instrument Device datasheet were still available for editing. This issue has been resolved.	DE160302
Previously, when you used the Import from Exida functionality in SIL Analysis, the performance of the APM was not as expected if there were many analyses present in APM. This issue has been resolved.	DE158244
Previously, in the **SIL Assessments**, when you entered values for the Probability of Failure on Demand (PFD) and Risk Reduction Factor (RRF) fields, the associated SIL level value was not displayed correctly. This issue has been resolved.	DE157711

Description	Tracking ID
Previously, when you attempted to promote a recommendation to ASM, a blank message appeared in the following scenarios: • If the Recommendation Headline was missing and you attempted to Promote to ASM. • If the Recommendation was Accepted by ASM and you attempted to promote it again. These issues have been resolved.	DE157630
Previously, when you entered values for the **Risk Reduction Factor (RRF)** field for an External SIL assessment, an incorrect validation error occurred. This issue has been resolved.	DE157629
Previously, **Promote To ASM** operation failed for Recommendations in which the Instrumented Function was linked to a LOPA Assessment or External Assessment. This issue has been resolved.	DE157627
Previously, in **SIL verification**, when you selected a sensor, a final element, or a logic solver device for a protective instrument loop, an error may have occurred. This issue has been resolved.	DE157621
Previously, when you used the Export to Exida functionality in SIL Analysis, the performance of the APM was not as expected, if there were many analyses present in APM. This issue has been resolved.	DE157620

Sites

This topic provides a list of product changes released for this module in this version.

Table 304: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the **Sites Page** that had exactly 25 sites, the list of sites was repeated indefinitely when you scrolled down. This issue has been resolved.	DE163529

SSO

This topic provides a list of product changes released for this module in this version.

Table 305: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve accessibility, users can now login without adding the proxy details (`/?custom_sso=1`) in the **Server** field when accessing the GE Digital APM mobile application.	DE161731

State Management

This topic provides a list of product changes released for this module in this version.

Table 306: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you deleted a state or an operation and attempted to save, the **Save** button was disabled. This issue has been resolved.	DE169919
Previously, in a State Configuration diagram, if multiple states were aligned horizontally and connected using a straight line, you could not select an Operation link if the link overlapped with the connecting lines. This issue has been resolved. Now, you can drag the states and connecting lines to a different position, and then select the Operation link.	DE167083

System Requirements

This topic provides a list of product changes released for this module in this version.

Table 307: Obsolete Features

The following features are no longer available.

Description	Tracking ID
Microsoft Internet Explorer 11 and Microsoft Edge Legacy browsers are no longer supported in APM.	US492702

Teams

This topic provides a list of product changes released for this module in this version.

Table 308: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the **Team Members** section of any analysis, when you filtered the email column, an error occurred. This issue has been resolved.	DE163636

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 309: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The following enhancements have been made to the Minimum Thickness (T-min) calculator: • A new source to calculate Minimum Thickness (T-Min) has been incorporated. Now, the T-min value is calculated based on the difference between Nominal Thickness and Corrosion Allowance. • You can now override Minimum Thickness Type. To support this functionality, Override Minimum Thickness Type field has been added to the Thickness Measurement Location family. Now, you can change the Minimum Thickness Type without accessing the **T-Min Calculator** window. • You can now calculate Minimum Thickness (T-Min) using policy. To support this functionality, the Minimum Thickness (T-Min) Formula Policy field has been added to the Thickness Monitoring Rules Lookup family. In addition, this field has also been added to the datasheet allowing you to configure the Minimum Thickness formulas in APM environment.	US509814
You can now filter the Thickness Measurements based on a defined interval when calculating Short Term and Long Term Corrosion Rates. To support this functionality the following enhancements have been made: • **Use Minimum Measurement Interval for Corrosion Rates** option has been added to the **TM Admin Preferences** page. When you enable this preference, an application wide minimum interval including the site-specific intervals are defined. • Thickness Monitoring calculation has been enhanced to use the **Use Minimum Measurement Interval for Corrosion Rates** preference and determine which measurements to consider for Short Term and Long Term Corrosion Rate calculations. • Two new fields have been added to the TML Corrosion Analysis datasheet to indicate whether or not the corrosion rate is based on the usage of the Minimum Measurement Interval.	US509585
To continue the device support for Olympus (Panametrics) 38DL Plus Ultrasonic Thickness Gage in APM, the Meridium Device Service has been updated to support the new driver update. To facilitate this update, when you install the latest version of the Meridium Device Service, you must install the latest version of the Olympus GageView software, which includes the specified drivers update. Similarly, if you have installed the latest version of the Olympus GageView software, you must install the latest Meridium Device Service.	US508989
In the **Data Loaders** page, when loading the data into the database using the following equipment, the performance has been improved. • Thickness Monitoring Equipment • Thickness Monitoring Functional Location • Thickness Monitoring Piping Equipment • Thickness Monitoring Piping Functional Location The change in performance increases significantly with increase in the volume of the data loaded for the corresponding Asset and the associated number of TML groups.	DE166555

Description	Tracking ID
To align with the API specification more closely, the minimum thickness calculations for Thickness Measurement Locations of Welded Shell or Riveted Shell type tanks has been modified. It now considers the value of Height in the below formula as the distance from the bottom of the Course Number under consideration till the Maximum Operating Fill Height. Previously, the value of the Maximum Operating Fill Height was used when calculating minimum thickness for these types of Thickness Measurement Locations. Any Thickness Measurement Locations of these types of tanks where minimum thickness has previously been calculated and saved, must be recalculated. For more information on identifying applicable assets and steps for recalculating T-Min, refer to KBA 000037226.	US483111
To align better with the API specification, the minimum thickness calculations for Thickness Measurement Locations of Piping have been modified. To facilitate this enhancement, PipingB31.3, FormulaD now considers the Inside Diameter when calculating the minimum thickness of a Piping.	US457149

Table 310: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, deleting the TML Groups with large number of TMLs associated with an asset failed due to a time-out exception. This issue has been resolved. Now, the process of deleting a TML Group has been converted to a scheduled action.	US504092
Previously, in APM, if you modified the **Corrosion Inspection Type** system code table to customize the list of available Inspection Types in Thickness Monitoring and had attempted to load data using the Thickness Monitoring data loader, the list of Inspection Types was being saved for all the users in APM. This resulted in an error when other users attempted to load the data using a different list of Inspection Types. The following error appeared in the dataloader log stating that, Inspection Type UT is not valid/available to create corrosion analysis settings for the linked Asset ' <Asset ID>', and hence skipping this row. This issue has been resolved.	DE171210
Previously, for the Thickness Measurement Locations (TMLs) that are related to a Piping Band type TML Group on a Piping Asset in an Oracle database, if you attempted to send the TMLs to the datalogger device, it failed. This issue has been resolved.	DE170947
Previously, in the **Measurements** section, when you created a Thickness Measurement record as a user with a non-imperial UOM conversion set, if there were additional required fields configured on the Thickness Measurement family, the value specified in the Readings field of the **Add Measurement** window was incorrectly copied to the datasheet. This issue has been resolved.	DE170639
Previously, when you created settings for an asset in the **Corrosion Analysis Settings** workspace, if you had selected any Inspection Type other than **UT**, a duplicate analysis record was created. This issue has been resolved.	DE169662

Description	Tracking ID
Previously, in the left navigation pane of **Analysis Overview** page, when you modified and saved a TML for an asset or a TML Group that had more than 25 directly linked TMLs, and then navigated back to the asset or TML Group, the TML list in the left navigation pane was incorrectly displayed. This issue has been resolved.	DE169354
Previously, when you viewed the **Details** page of a TML Group and switched to other tabs in APM and then navigated back to the **Details** page tab of the TML Group, the corresponding TML Group did not appear as selected in the tree and the datasheet failed to appear. This issue has been resolved.	DE166078
Previously, TM overview data was not displayed for a selected level in the Asset Hierarchy. This issue has been resolved. Now, TM Overview baseline queries are delivered again to consider the current level. **Note:** Baseline queries are not delivered if there are any changes in the overview queries. See the upgrade section for more details.	US491678
Previously, when you created a TML Record using the **Create TML** window, you were able to create TMLs with duplicate IDs even though an error was expected. This issue has been resolved.	DE166165
Previously, in the **Datalogger** page, you were able to select up to 10,000 TMLs to review while using an SQL database. However, an error appeared preventing you from sending the selected TMLs to the device. This issue has been resolved. Now, you can send up to 10,000 selected TMLs to the device directly. However, all the 10,000 TMLs do not appear in the grid, as the maximum number of TMLs displayed in the grid are limited to 5,000 for an SQL Database. For an Oracle database, the selection limit is 1,000 TMLs.	• DE165912 • DE165590
Previously, in the **Analysis Overview** page of an asset, when you attempted to view the **TMLs** section for an asset with more than 1,000 TMLs in an Oracle database, an error appeared. This issue has been resolved.	DE165692
Previously, when you selected more than 10,000 TMLs in the **Send To** section of the **Datalogger** page, a message appeared indicating that there were too many TMLs to display, but you were able to send the data to any selected device. However, if you switched to other tabs in the APM and then accessed the tab of the **Datalogger** page again, the grid would attempt to load the selected TMLs, and a query execution error appeared. This issue has been resolved. Now, the grid does not attempt to load the selected TMLs, and no error message appears.	DE165382
Previously, when the culture setting had numeric values formatted using comma as the radix, the numeric values in the TML Data in the **Datalogger** of the **Send To** page appeared incorrectly. This issue has been resolved.	DE164935
Previously, for **Analysis Output** section, when you selected a link for the Thickness Measurement Location in the view all pop-up window, it navigated to an incorrect Thickness Measurement Location record. This issue has been resolved.	DE164357
Previously, when you were updating corrosion analysis setting from Asset or TML Group to TML level, there was no indicator that the corrosion analysis settings data was loading, and you were able to finish the update before the corrosion analysis settings data completed loading. This issue has been resolved.	DE160728

Description	Tracking ID
Previously, an attempt to delete a piping component failed, if there were Thickness Measurements associated with the Thickness Measurement Locations. This issue has been resolved.	DE160315
Previously, as a metric user, when you modified the fields related to the calculation of Allowable Stress and when the Override Allowable Stress field was set to **True**, the Allowable Stress field was updated with an incorrect value. This issue has been resolved.	DE158560
Previously, when a Thickness Measurement Location had a Skipped Measurement record as its last active measurement and you updated the data for the other TML records in the asset, the **Analysis Output** section did not display updated data for the following fields if the Controlling Corrosion Rate of the asset became less than the TML's Controlling Corrosion Rate: • Asset Average Corrosion Rate • Asset Average Corrosion Rate Next Inspection Date • Asset Average Corrosion Rate Remaining Life • Asset Average Corrosion Rate Retirement Date This issue has been resolved.	DE157798
Previously, when attempting to populate the fields necessary to look up the Allowable Stress value on a Thickness Measurement Location record, the following fields were incorrectly marked as required if the **Tank Type** field was set to **Annular Ring**: • Code Year (Allowable Stress Lookup) • Material Specification • Material Grade This issue has been resolved. Now, only the following fields are required to populate Allowable Stress when the **Tank Type** field is set to **Annular Ring**: • Design Code • Tank Diameter • Specific Gravity • Maximum Operating Fill Height • Plate Thickness	DE157683

Description	Tracking ID
Previously, some queries incorrectly included direct joins to the Equipment family. This issue has been resolved. Now, Thickness Monitoring supports both Equipment and Functional Location families in the baseline product and these queries have been corrected. The following table provides a list of queries affected and their corresponding Thickness Monitoring Overview widget or tile by title. **Table:** <table><tr><td>**Query**</td><td>**Corresponding Overview Widget/Tile**</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Assets Near or Past Retirement</td><td>Assets Near or Past Retirement Tile</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Assets with TM Tasks</td><td>TM Tasks Widget</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Corrosion Distribution</td><td>Corrosion Rate Distribution Graph Widget</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Excessive Corrosion</td><td>Excessive Corrosion Tile</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Remaining Life Less Than 180 Months</td><td>Remaining Life Graph Widget</td></tr><tr><td>Public\Meridium\Modules\Thickness Monitoring \Queries\Thickness Inspections</td><td>Thickness Inspections Tile</td></tr></table>	DE157675
Previously, if a secured user was associated with the Metric UOM Conversion Set, when viewing the **T-Min Calculator** page for an Asset, the minimum thickness value that appeared in the Current column was incorrect. This issue has been resolved.	DE157671
Previously, when you attempted to sort the Thickness Measurement grid by the Measurement Taken Date column, the Thickness Measurement grid was incorrectly sorted. This issue has been resolved.	DE157673

V4.6.11.0.0

This topic provides a list of product changes released for this module in this version.

Workflow Solutions

This topic provides a list of product changes released for this module in this version.

Table 311: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
New families, fields, family policies, system tables and codes, permissions, security groups and roles, policies, and catalog content that enable tailored configurations to accelerate adoption of APM have been delivered in this release. **Important:** Workflow Solutions Content is designed to be used only after configuration by GE Vernova. If you attempt to use or modify the Content without assistance from GE Vernova, this may adversely affect other APM features and functions, and is not supported.	US495736 US485570 US485569