



Meridium APM Release Notes

## V3.6.1.0.0 through V3.6.1.7.2



## Meridium APM V361 Release Notes

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## About This Document

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This file is provided so that you can easily print this section of the Meridium APM Help system.

**You should, however, use the Help system instead of a printed document.** This is because the Help system provides hyperlinks that will assist you in easily locating the related instructions that you need. Such links are not available in the PDF.

The Meridium APM Help system can be accessed within Meridium APM itself or via the Meridium APM Documentation Website (<https://www.meridium.com/documentation/WebHelp/WebHelpMaster.htm>).

 **Note:** If you do not have access to the Meridium APM Documentation Website, contact [Meridium Global Support Services](#).

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## Meridium APM Release Notes

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The Meridium APM Release Notes describe changes to the baseline Meridium APM 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:

- **Changes to Hardware and Software Requirements:** A list of significant changes to hardware and software requirements from the previous release.
- **New Features:** A list of new features that are being introduced in the release.
- **Enhancements:** A list of significant improvements that have been made to each module in the release.
- **Resolved Issues:** A list of issues that existed in previous versions of Meridium 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.

 **Note:** For each item in the Release Notes, one or more numbers are included in parentheses at the end of the description. These values represent work items that Meridium, Inc. uses to track changes made to the product.

## Meridium APM V3.6.1.0.0 Release Notes

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Release notes for the following versions are available:

- [V3.6.1.0.0](#)
- [V3.6.1.1.0](#)
- [V3.6.1.2.0](#)
- [V3.6.1.3.0](#)
- [V3.6.1.3.1](#)
- [V3.6.1.3.2](#)
- [V3.6.1.4.0](#)
- [V3.6.1.5.0](#)
- [V3.6.1.5.1](#)
- [V3.6.1.5.2](#)
- [V3.6.1.5.3](#)
- [V3.6.1.5.4](#)
- [V3.6.1.6.0](#)
- [V3.6.1.6.1](#)
- [V3.6.1.6.2](#)
- [V3.6.1.7.0](#)
- [V3.6.1.7.1](#)
- [V3.6.1.7.2](#)

## V3.6.1.0.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.0.0

- [New Features](#)
- [Enhancements](#)
- [Resolved Issues](#)



## New Features - V3.6.1.0.0

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The following new features are available in V3.6.1.0.0.

### APM Foundation

#### State Configuration

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- A search option is now available in State Role Assignments when assigning users to a role. (TS ID: 244054)

## Enhancements - V3.6.1.0.0

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The following enhancements have been made in V3.6.1.0.0.

### Maximo Interfaces

- The Maximo Extraction Interfaces, Equipment, Functional Location, and Work History are now compatible with Maximo 7.6. (TS ID: 267290)

### MobileAPM

- MobileAPM has been enhanced to support Apple iOS 10. (TS ID: 261682)
- Recommendation priority localizations are now supported in mobileAPM by the addition of the **Description** field to the system code table **MI\_PRIORITY**. When viewing or creating a Recommendation, the **Priority** field now displays the value associated with each of the priority values defined in the **MI\_PRIORITY** system code table. (TS ID: 201914)

### Risk Based Inspection

#### RBI 580

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- A new policy, RBI 580 Non-Intrusive Requirement, is now used to populate the **Non-Intrusive Requirement Met** check box on a Criticality Int. Corr. Deg. Mech. Eval. datasheet. You can modify the logic that is used to populate the check box by modifying the policy. (TS ID: 266898)

## Resolved Issues - V3.6.1.0.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.0.0.

### APM Foundation

#### Asset Criticality Analysis

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- Previously, when you attempted to add a new member to an Asset Criticality Analysis, the incorrect header was displayed on the Asset Criticality Analysis Team Members page. This issue has been resolved. (TS ID: 251288)

#### Asset Health Manager (AHM)

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- Previously, when you attempted to create more than one hundred new Health Indicator records for Assets using Measurement Location records as the primary source, only 99 were created. This issue has been resolved. (TS ID: 262226)
- Previously, inactive conditional Measurement Locations were downloaded to hand-held devices. This issue has been resolved. (TS ID: 259927)
- Previously, when using an Oracle database, only one level of Functional Locations or Equipment in the Hierarchy were shown even though multiple Functional Locations or Equipment are present in the Hierarchy. This issue has been resolved. (TS ID: 253162)
- Previously, the Health Indicator widget on the Asset Health Manager dashboard displayed default colors and eventually displayed the correct colors after refreshing. This issue has been resolved. (TS ID: 251232)
- Previously, the Asset Health Manager Chart Widget did not reflect the same value that the Filter Widget did until page was refreshed. This issue has been resolved. (TS ID: 251029)

#### Conditional Alerts

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- Previously, when you created a Conditional Alert and selected Group By, emails were not sent to the individual users returned from the query. This issue has been

resolved. (TS ID: 251300)

- Previously, when Conditional Alert messages were sent to a user, the alert message used incorrect column names, which made the query results hard to understand. This issue has been resolved. (TS ID: 250603)

## Configuration Tools

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- Previously, when you created a new family containing a field having the data type char and viewed this new column in your Oracle database tool, in some cases the new column had byte semantics. This issue has been resolved. Now, when you create a new family containing a char field, it will have character semantics in Oracle. (TS ID: 261671)
- Previously, you were unable to save Russian characters in business rules. This issue has been resolved. (TS ID: 251330)
- Previously, when you used an Oracle database and used the Configuration Manager Script Builder to alter the MI\_PCYEVENT family, an error occurred. This issue has been resolved. (TS ID: 251305)
- Previously, when you clicked the **Manage Family Business Rules** link on the **Meridium APM Configuration Manager** main window, rules for AMS Asset Recommendation and Meridium General Recommendation families were present for the **MI\_SM\_STATE\_ENTERED\_D**, **MI\_SM\_STATE\_ID\_C**, and **MI\_SM\_STATE\_OWNER\_ID\_C** fields. This issue has been resolved and the fields are no longer displayed under the following families:
  - AMS Asset Recommendation
  - Meridium General Recommendation
  - Calibration Task Revision
  - Hazards Analysis Revision
  - Meridium General Recommendation
  - Operator Rounds Recommendation In Error
  - Task Revision

(TS ID: 250884)

## Core Analysis

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- Previously, when you built a new dashboard, and you selected the existing dashboard, you would receive an error. This issue has been resolved. (TS ID: 263221)

- Previously, when you Built a new dashboard by choosing to overwrite an existing dashboard and at the same time choosing to add it to homepage, an Object Reference Error occurred. This issue has been resolved. (TS ID: 254995)
- Previously, in Query, if you did not label your columns with captions, the filter drop down in the result set would be blank. This issue has been resolved. (TS ID: 254317)
- Previously, when you printed query results, it did not include the name of the query or the query's parameters. This issue has been resolved. (TS ID: 251332)
- Previously, in V3.6.0.10.0, Oracle database users were no longer able to open preexisting queries containing trailing spaces in the file names in design view. This issue has been resolved. (TS ID: 251298)
- Previously, when you changed the Next Date for a Task family using the Optimize Time Line link on the Task List page an error occurred. This issue has been resolved. (TS ID: 251032)
- Previously, when your user culture setting was Russian and you created an email from a dashboard, the email displayed the incorrect string of text in the subject line. This issue has been resolved. (TS ID: 250979)
- Previously, query paths referenced in custom queries were not case sensitive, however in V3.6.0.8.0 , an error occurred for Oracle users if the query path contained **public** instead of **Public**. This issue has been resolved and now, regardless of case, the path is recognized. (TS ID: 250970)
- Previously, when you printed query results, the title was not displayed on the print review screen or included on the print out. This issue has been resolved. (TS ID: 250916)

## Keyword Search

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- Previously, if you used Keyword Search, you would not receive any results. This issue has been resolved. (TS ID: 254755)

## Lubrication Management

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- Previously, when you selected Manage Lubricants from the Lubrication Management Start Page an error occurred. This issue has been resolved. (TS ID: 251474)

## Meridium APM Web Framework

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- Previously, in the Meridium APM Web Framework, when you attempted to open a subreport that was stored in a different folder than its related main report, an error message appeared, indicating that the subreport section of the main report could not be shown. This issue has been resolved. Now, you can successfully open a subreport that is stored in a separate folder than its related main report via the Meridium APM Web Framework. (TS ID: 258740)

## MobileAPM

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- Previously, certain CSS and Recommendation filter images were not visible offline on the **Inspection** screen using MobileAPM in HTML browser mode unless the Routes were previously opened. This issue has been resolved. (TS ID: 275728)
- Previously, multiple Route History records were created after a Route had been marked done using MobileAPM. This issue has been resolved. (TS ID: 275174)
- Previously, a Route marked as done appeared incorrectly as not due when navigating from the Asset View back to the Route Inspection screen using MobileAPM. This issue has been resolved. (TS ID: 274888)
- Previously, the route Close Date of the **Route History** record was incorrectly set to the date the route was synced instead of the actual marked close date when using MobileAPM. This issue has been resolved. (TS ID: 274610)
- Previously, the **Created By** field did not appear on the **Recommendations** screen when a recommendation was created offline using MobileAPM. This issue has been resolved. (TS ID: 274371)
- Previously, route history was duplicated when the refresh button was selected multiple times in MobileAPM. This issue has been resolved. (TS ID: 254378)

- Previously, tabs could not be selected on MobileAPM if the **Company** field was left blank when building the Asset Hierarchy. This issue has been resolved by making the **Company** field required. (TS ID: 254307)
- Previously, the timestamp displayed in mobileAPM and in the Meridium APM Framework for an Asset Health Indicator record differed. This issue has been resolved. (TS ID: 250967)
- Previously, when MobileAPM was not configured and the Meridium Policy Execution, Meridium Policies Trigger, and Meridium Scheduling services were running, an Asset Hierarchy Tool error message was repeatedly displayed in the event viewer. This issue has been resolved. (TS ID: 250966)
- Previously, when you used the Asset Hierarchy Tool (AHT) to configure mobileAPM navigation bar labels and mapped fields, use of the ampersand character in any field was not supported. This issue has been resolved. (TS ID: 250086)

## Operator Rounds (OPR)

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- Previously, Route details were not visible offline using MobileAPM in HTML browser mode unless they were previously opened. This issue has been resolved. (TS ID: 274502)
- Previously, an error message appeared stating that APM Mobile had encountered a problem and is shutting down when using Classic Mobile OPR on an Intermec or i.roc Ci70 handheld device. After logging into APM Mobile again, the RFID scan would not work. This issue has been resolved. (TS ID: 272474)
- Previously, when you installed RFID on non Ecom devices an error occurred. This issue has been resolved. (TS ID: 259925)
- Previously, when you viewed a numeric Reading record on a handheld device and the Region Setting field on the device was set to Spanish, the translated **Unit of Measure** label was not displayed as expected if the number of characters in the translated text exceeded the field size. This issue has been resolved. (TS ID: 251956)

- Previously, when you created a recommendation for a Measurement Location while in Inspection mode and when your device was in Airplane mode or offline, the **Priority** field and **Assigned To** picklists are not displayed. This issue has been resolved. (TS ID: 251250)
- Previously, you were unable to modify a Measurement Location reading in the Readings tab of a Measurement Location opened in the Route Management page after having changed your culture setting. This issue has been resolved. (TS ID: 251021)
- Previously, users with view privileges were unable to view some Measurement Locations having a Checkpoint Condition. This issue has been resolved. (TS ID: 250989)
- Previously, when you used the **Update** button on the **Measurement Location Update** window to update measurement locations with changes from their source template, an error may have occurred and some measurement locations may not have been updated. This issue has been resolved. (TS ID: 241340)

## Policy Manager

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- Previously, when the user's culture setting was Russian, the calendar used for date selection in Policy Manager did not display Russian translations as expected. This issue has been resolved. (TS ID: 251211)
- Previously, policies scheduled through the Schedule Manager having a Next Execution date or Policy Last Date falling within Daylight Savings Time, generated an error and did not run as expected. This issue has been resolved. (TS ID: 250885)

## SAP Interfaces

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- Previously, in SAP Interfaces and ASI workflows, you could not search for an alphanumeric task list group. This issue has been resolved. (TS ID: 251328)
- As a result of changes to the Meridium Integration Services, the following SAP Interfaces will now run more quickly than they did in previous releases:
  - Equipment Extraction Interface
  - Functional Location Extraction Interface
  - Equipment Characteristics Extraction Interface



- Functional Location Characteristics Extraction Interface
- Notification and Order Extraction Interface

(TS ID: 250971)

## Search

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- Previously, when you tried to save a search with the same name as a search in another Catalog folder, an error message appeared, stating that the Catalog item is not unique. This issue has been resolved. (TS ID: 258020)

## State Configuration

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- Previously, when you assigned a State Configuration role to a predecessor or successor state, cleared the **Require a specific user to be assigned to a state:** checkbox, and transitioned a record, a pop-up box prompting you to select a user to assign to the state was displayed. This issue has been resolved. (TS ID: 250104)

## Asset Safety

### Calibration Management

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- Previously, when you performed a Fluke calibration configured to use Current as an Input, the Current reading values displayed on the calibration event records were incorrect. This issue has been resolved. (TS ID:254312)

### SIS Management

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- Previously, the calculated SIL Architectural Constraints' value at PIL group level is not correct according to the IEC 61508 standards in Meridium Application. Now, the calculated SIL architectural constraint field caption is changed to Hardware Fault Tolerance for 4 families: Protective Instrument Loop Group, Protective Instrument Loop Group Revision, Protective Instrument Loop Group Logic Solver, Protective Instrument Loop Group Logic Solver Revision. We are receiving Hardware Fault Tolerance value for the above mentioned families from exSILentia, not SIL architectural constraint value. This issue has been resolved. (TS ID: 257854)
- Previously, in SIS Management, the SIL values generated were incorrect and did not satisfy the boundary conditions. This issue has been resolved. (TS ID: 255362)

- Previously, when you tried to create a custom device with a sensor, an error would occur, stating that the ID needed to be filled in even if it already had a value. This issue has been resolved. (TS ID: 251308)
- Previously, when you created a Protective Instrument Loop at the final element, 2oo3 Voting logic was not available as an option. This issue has been resolved. (TS ID: 251030)
- Previously, when you added a piece of equipment linked to an SIL Analysis record or Instrumented Function record to an ACA Analysis, an error occurred. This issue has been resolved. (TS ID: 249872)

## Asset Strategy

### Asset Strategy Management

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- Previously, Risk Rank values less than zero were not visible on Risk Profile graphs using a logarithmic scale on the y-axis. This issue has been resolved. (TS ID: 275159)
- Previously, if your Action in ASM is unlinked from the ASM template, it was not applied to controlled asset strategies. This issue has been resolved. (TS ID: 262924)
- Previously, when viewing an ASI Package, Implementation Roles were not displayed in the ASI Tree View. This issue has been resolved. (TS ID: 251339)
- Previously, when adding new items to the Implementation Package in ASM, the newly added items in the hierarchy tree were not highlighted (focused). This issue has been resolved. (TS ID: 251294)
- Previously, when you imported more than one strategy into ASM, an error occurred. This issue has been resolved. (TS ID: 250921)
- Previously, when you ran an Assets query having Criticality values expressed in ranges, duplicated results may have been displayed when the upper values and lower values of the Criticality ranges were the same. This issue has been resolved. (TS ID: 244383)

- Previously, when you removed a risk from an ASM record, navigated to another window, and returned to the ASM screen, the deleted risk was still displayed even after the Asset strategy was marked as active. This issue has been resolved. (TS ID: 242881)

## FMEA

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- Previously, in recently used analyses in FMEA, values not present in the ID column were visible in the Filter drop down. This issue has been resolved. (TS ID: 257269)

## Reliability Centered Maintenance

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- Previously, when you created a RCM analysis from a template having a different Asset ID, the related asset type did not change. This issue has been resolved. (TS ID: 250890)

## Failure Elimination

### Production Loss Accounting

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- Previously, when you created a daily Production Plan the Max Standard Capacity Rate MSCR values on the resulting Production Data records generated by the PLA service were calculated incorrectly. This issue has been resolved. (TS ID: 264919)
- Previously, some values on the Display Precision window and on the Production Units window were not localized properly in Production Loss Analysis. This issue has been resolved. (TS ID: 256313)
- Previously, when a user became inactive, all Production Events modified by that user would no longer be accessible. This issue has been resolved. (TS ID: 254314)
- Previously, when you attempted to delete a Production Plan, an error occurred. This issue has been resolved. (TS ID: 250691)

### Generation Management

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- Previously, in Generation Management, when you tried to transition a unit from an inactive state to an active state by creating a Primary Capacity Incident with an active event type (e.g., RS) that started directly after a Primary Capacity Incident with an inactive event type (e.g., IR), an error message appeared. This issue has been resolved. Now, you can successfully transition a unit from an inactive state to an active state. (TS ID: 257851)
- Previously, when a Gross Actual Generation (GAG) value entered was greater than the Gross Maximum Capacity (GMC) \* Service Hours (SH) calculation or if the Net Actual Generation (NAG) value entered was greater than the Net Maximum Capacity (NMC) \* Service Hours (SH) calculation, an error would occur. This issue has been resolved. Now, values for GAG and NAG can be greater than their respective calculations and a warning message will appear instead. (TS ID: 251475)
- Previously, in Generation Management, Gross Available Capacity (GAC) and Net Available Capacity (NAC) values were not being handled according to NERC GADS guidelines. This issue has been resolved. (TS ID: 251337)
- Previously, you could not update a gross generation value with a large decimal value. This issue has been resolved. (TS ID: 251334)
- Previously, the system was reporting incorrect values for Attempted Starts and Actual Starts on the warning dialog box in Capacity History. This issue has been resolved. (TS ID: 251321)
- Previously, you were unable to enter the End Date for a Capacity Limiting Event as 12/31/YYYY 24:00. This issue has been resolved. The Capacity Limiting Event and Primary Capacity Incident records store this date as 12/31/YYYY 23:59:59 and 12/31/YYYY 24:00 is used in NERC reporting. (TS ID: 250689)
- Previously, when you attempted to change the start and end dates for a Capacity Limiting Event, an error occurred preventing modification of the dates. This issue has been resolved. (TS ID: 250672)

## Reliability Analytics

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- Previously, when you viewed the Cumulative Plot for a Reliability Growth analysis, the Reliability Growth Plot for a different analysis was displayed. This issue has been resolved. (TS ID: 266707)

## Root Cause Analysis

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- Previously, when you attempted to send an email about an RCA Preserve Item record, the **Email List of Items** dialog box displayed the field id instead of the caption for the column heading and no Preserve Items were displayed. This issue has been resolved. (TS ID: 250674)

## Installation, Upgrade, and System Administration

- WinMerge has been removed from the installer. (TS ID: 277955)
- Previously, an invalid package error occurred during an Oracle test upgrade. This issue has been resolved. (TS ID: 251472)
- Previously, when you used the Advanced Search in the Import/Export Metadata tool to export records and links, no data was exported. This issue has been resolved. (TS ID: 249914)

## Mechanical Integrity

### Inspection Management

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- Previously, in Mechanical Integrity, if task execution and task revision families were not set up and an Inspection was then locked or unlocked, the Last Date/Next Date fields did not update correctly. This issue has been resolved. (TS ID: 257853)
- Previously, in Mechanical Integrity, the following fields were inactive in Thickness Measurement: **Instrument ID** and **Instrument Probe**. This issue has been resolved. (TS ID: 256834)
- Previously, you were unable to create a visual inspection (full inspection). This issue has been resolved. (TS ID: 254380)
- Previously, when you opened an Inspection record not having a Degradation Mechanism, an error occurred. This issue has been resolved. (TS ID: 253471 )

- Previously, an error in field rules in the General Finding family did not allow the creation of new records. This issue has been resolved. (TS ID: 251577)
- Previously, the Next Inspection Date did not update on Inspection Task records as expected. This issue has been resolved. (TS ID: 251213)
- Previously, when you created an Inspection report for an Inspection Profile with an item id containing single quotes, an error occurred preventing it from being saved. This issue has been resolved. (TS ID: 250974)
- Previously, when you checked the **Field Work Complete** checkbox on a Full Inspection record, an error occurred. This issue has been resolved. (TS ID: 250088)

## RBI

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- Previously, you could not create RBI analyses for certain kinds of records in RBI. This issue has been resolved. (TS ID: 253161)
- Previously, when your Meridium APM Culture Setting was Russian and you viewed an RBI Risk Matrix, the Criticality Rating value was not localized. This issue has been resolved. (TS IDL 251306)
- Previously, the incorrect unit of measure was displayed in the Tube Operating Pressure Channel and Tube Operating Pressure Shell fields on the RBI Analysis datasheet for Heat Exchanger Bundle components. This issue has been resolved. (TS ID: 251296)
- Previously, when you created an RBI Recommendation for an Equipment record having multiple Components, a recommendation was only created for the first Component. This issue has been resolved. (TS ID: 250972)
- Previously, when you created an RBI Analysis from an RBI Component, toxicity data was not displayed as expected. This issue has been resolved. (TS ID: 250690)
- Previously, when you used Risk Based Inspection with records in the Tank Stress family that do not have a Material Grade field value specified, yet have an Allowable Stress field value, an error may have occurred. This issue has been resolved. (TS ID: 249917)

## Thickness Monitoring

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- Previously, when you were updating TM Analysis settings, you received an error that the entity was updated by another user. That issue has been resolved. (TS ID: 271268)
- Previously, you were unable to load thickness monitoring data into Meridium Enterprise APM using Meridium Integration services with a custom tool when the date field is set as a Key field. This issue has been resolved. Now, you can set the date field to be DD-MMM-YYYY HH:mm:ss:tt, i.e., 24-Apr-2016 11:45:00PM (TS ID: 258674)
- Previously, if you deleted a TML that was directly linked to an Asset in TM Explorer, an error would appear. This issue has been resolved. (TS ID: 258447)
- Previously, when using the T-min Calculator for large batches of data, the process would time out and an error would appear. This issue has been resolved. (TS ID: 256832)
- Previously, if you were on the Quick View page in Thickness Monitoring and you selected a View Tasks hyperlink, an error would appear. This issue has been resolved. (TS ID: 251958)
- Previously, the second time you tried to move a TML, you were not allowed to change the destination group for that TML. This issue has been resolved. Now, when you move a TML more than once, you are allowed to change the destination group. (TS ID: 251307)
- Previously, when the **Display Format Description Only** radio button was selected in System Codes and Tables for the Datapoint Access (DPAC) table properties, the **Measurement Data Entry** screen displayed the System ID or system code table value instead of the Description. This issue has been resolved. (TS ID: 251259)
- Previously, when you renewed a Thickness Measurement Location, the **Asset ID** field did not display the TML Group ID value. This issue has been resolved. (TS ID: 250996)

- Previously, when you attempted to open a Corrosion Analysis having 235 or more TML groups, an error occurred. This issue has been resolved. (TS ID: 250912)
- Previously, when you attempted to use a system code value, description, or system code value and description combination as values to select from for a field when creating a TML, an error occurred. This issue has been resolved. (TS ID: 250880)
- Previously, when you created a new Thickness Monitoring Task, the **Task Description** field contained the name of the field. Now, the **Task Description** field displays the Analysis Setting Type and Equipment ID. (TS ID: 250693)



## V3.6.1.1.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.1.0

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.1.0

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The following enhancements have been made in V3.6.1.1.0.

### MobileAPM

- MobileAPM now supports Android 5.0.2. (TS ID: 287220)
- MobileAPM now supports Routes having Conditional Measurement Locations defined. (TS ID: 269430)
- Indentation of conditional child Measurement Location records has been added to the mobileAPM display. This provides a visual indicator of conditional child Measurement Locations on routes defined with conditional branching logic. (TS ID: 269380)

## Resolved Issues - V3.6.1.1.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.1.0.

### APM Foundation

- Previously, when you synced your mobileAPM device, Routes and MLs whose **Schedule** fields were cleared may not have been downloaded to the device. This issue has been fixed. (TS ID: 289522)
- Previously, when you accessed help from the **Help Tasks** menu or **Help** menu and used the search feature, no topics were found. This issue has been resolved. (TS ID: 286524)
- Previously, when you performed a search by selecting the browse button in the **Instance Value** column of a new Policy Instance, the search query was executed immediately without having selected the **Find Now** button. This prevented the user from entering additional search criteria before the results had loaded. This issue has been resolved. Now, the search starts only when the **Find Now** button is selected. (TS ID: 276801)
- Previously, when you closed and reopened the mobileAPM App on an iOS device, Measurement Location records were no longer displayed when viewing them on a Route. This issue has been resolved. (TS ID: 269891)
- Previously, when you viewed the **Asset Criticality Team Members** page, selected on the toolbar and then selected **Add Available Fields**, the available fields displayed in the window that appeared were not localized per the culture setting of the user. This issue has been resolved. (TS ID: 266928)
- Previously, when you validated a policy using ad hoc values copied from an instance, the unused values were not copied to their respective fields. As a result, the unused fields were disabled. This issue has been resolved. (TS ID: 264644)
- Previously, when you imported data and then selected **Load Selections** on the **Import/Export Metadata** window, an error occurred. This issue has been resolved. (TS ID: 263422)
- Previously, when you selected an Asset Strategy link on the Home Page and then

selected **Open in New Window**, an error occurred. This issue has been resolved. (TS ID: 263078)

- Previously, users with Create or Edit folder permissions were unable to create, view, or delete a dashboard located in the folder. This issue has been resolved. (TS ID: 259901)
- Previously, when you modified a configured explorer after deleting a family associated with it, an Object Reference error occurred. This issue has been resolved. (TS ID: 253473)

## Asset Safety

- Previously, when an SIS user modified an SIS Proof Test's functional test detail datasheet and tried to save the changes, an error occurred. This issue has been resolved. (TS ID: 288435)
- Previously, when you exported a Protective Instrument Loop from Meridium APM and imported it into exSILentia, the values in the **MTTFS**, **Loop PFD Avg**, and **Risk Reduction Factor** fields did not match the values exported from Meridium APM. This issue has been resolved. (TS ID: 268295)

## Asset Strategy

- Previously, when you selected the custom filter for a field ID belonging to an existing secondary package and searched the field using a wildcard character, no search results were displayed. This issue has been resolved. (TS ID: 267181)
- Previously, when you copied a risk that was created from a template and applied a template again on the same asset strategy, an error occurred. This issue has been resolved. (TS ID: 263414)

## V3.6.1.2.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.2.0

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.2.0

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The following enhancements have been made in V3.6.1.2.0.

### APM Foundation

- Now, data points displayed on dashboard graphs will be displayed as whole numbers unless you specify a different number of decimal places in the Chart Options. (TS ID: 280030)

### MobileAPM

- Meridium APM now supports multi-value query inputs. (TS ID: 285618)

## Resolved Issues - V3.6.1.2.0

---

The following issues existed in one or more previous releases and have been resolved in V3.6.1.2.0.

### APM Foundation

- Previously, when you applied a data filter to a family, the data filter did not work as expected. This issue has been resolved. (TS ID: 277991)
- Previously, when you clicked on a hyperlink whose name contained a hyphen, the hyperlink was truncated and the desired page was not displayed. This issue has been resolved. (TS ID: 270640)

### Recommendation Management

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- Previously, when you promoted a recommendation, a dialog box briefly displayed a message that was not translated according to your User culture setting. This issue has been resolved. (TS ID: 277978)

### Failure Elimination

#### Metrics and Scorecards

---

- Previously, the KPI dial starting value was 0 regardless of limits specified and you were unable to set the range for the KPI dial. This issue has been resolved. (TS ID: 287770)

#### Reliability Analytics

---

- Previously, when you executed a Reliability Automation Rule in Failure Elimination, an error occurred and the rule was not executed as expected. This issue has been resolved. (TS ID: 281809)

### Asset Strategy

#### Asset Strategy Management

---

- Previously, the starting value of the y-axis of the Risk Profile graph was 0. This issue has been resolved. Now, the y-axis starting value is 0.01. (TS ID: 277992)

## Asset Safety

### SIS Management

---

- Previously, when a user belonging to the MI SIS User Security Group clicked **Functions** on the **Navigation** menu in SIS Management, an error occurred, and a message warning of insufficient privileges appeared. This issue has been resolved. (TS IDs: 290553, 288892)



## V3.6.1.3.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.3.0


- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.3.0

---

The following enhancements have been made in V3.6.1.3.0.

### MobileAPM

- A Route Map button () is now available in the left corner of the navigation bar while in the Route inspection screen. This feature displays a list of all MLs currently due, grouped by the asset to which they belong. Each ML and asset listed can be selected to navigate to a more detailed view of the asset or ML. (TS ID: 288431)

## Resolved Issues - V3.6.1.3.0

---

The following issues existed in one or more previous releases and have been resolved in V3.6.1.3.0.

### APM Foundation

#### mobileAPM

---

- Previously, when you used mobileAPM in environments experiencing inconsistent network connections, marking a route as Done without having populated the **Comments** fields, may have resulted in duplicate Route History records being created. This issue has been resolved. (TS ID: 304658)
- Previously, when you subscribed to multiple routes in mobileAPM, the downloads may have intermittently failed despite mobileAPM displaying the download status as in progress. This issue has been resolved. (TS ID: 301777)
- Previously, when you used mobileAPM in an environment experiencing inconsistent network connection, duplicate Route History records were created. This issue has been resolved. (TS ID: 301776)
- Previously, mobileAPM users may have experienced slow uploads and downloads, or the inability to upload or download route data, without first restarting mobileAPM. This issue has been resolved. (TS ID: 294423)
- Previously, when you deleted a downloaded route, the route status was displayed as downloading the next time you accessed mobileAPM. This issue has been resolved. (TS ID: 293870)
- Previously, when you created a Recommendation for an asset in mobileAPM, the Recommendation was not created as expected and the **Asset ID** field was populated with the full location of the asset instead of the Asset ID. This issue has been resolved. (TS ID: 288133)
- Previously, when you created a Recommendation in mobileAPM and viewed it in the Meridium APM Framework, the **Functional Location ID** field was incorrectly populated. This issue has been resolved. Now, the **Functional Location ID** field is blank by default. (TS ID: 288132)

- Previously, when you accessed help from the **Help Tasks** menu or **Help** menu and used the search feature, no topics were found. This issue has been resolved. (TS ID: 286524)

## Asset Safety

### SIS Management

---

- Previously, when you created an SIS Proof Test record from an SIS Proof Test Template containing Trip Point details for sensors, logic solvers, and final elements, you were unable to change the Skip/Complete value for the record on the Proof Test Details grid. This issue has been resolved. (TS ID: 304097)
- Previously, when you attempted to import data from ExSILentia and create a new analysis, data and field length errors occurred. This issue has been resolved. (TS ID: 301422)
- Previously, when a member of the MI\_SIS user group attempted to open an Instrumented Function record, an error message appeared, indicating that the user did not have update privileges on the Instrumented Function entity family. This issue has been resolved. (TS ID: 288924)

## Mechanical Integrity

### Thickness Monitoring

---

- Previously, when you entered data in the data entry grid on the **Thickness Measurement Data Entry** page, you had to scroll down to enter additional data after populating the last visible row. This issue has been resolved. (TS ID: 208373)

## Release Notes - V3.6.1.3.1

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### mobileAPM

- Now, mobileAPM supports Near Field Communication (NFC) scanning capability built into the Ecom Smart-Ex 01 smartphone. (TS ID: 328236)

## Release Notes - V3.6.1.3.2

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### mobileAPM

- Previously, when you used mobileAPM on a device, drop-down list boxes in the application may have been unresponsive, preventing you from making selections. This issue has been resolved. (ID: TFS346990)
- Previously, when you accessed a site, then selected an item in the **Area** list, and then accessed the **Inspection** tab and searched for Route records, the search did not work as expected. This issue has been resolved. (ID: TFS346246)
- Previously, you were unable to scan RFID tags using the Ecom Smart-Ex 01 Android device. This issue has been resolved. (ID: TFS343961)

## V3.6.1.4.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.4.0

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.4.0

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The following enhancements have been made in V3.6.1.4.0.

### APM Foundation

#### mobileAPM

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- iOS 10.3.1 is now supported. (TS ID: 284656)



## Resolved Issues - V3.6.1.4.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.4.0.

### APM Foundation

#### Home Page

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- Previously, when you accessed a Meridium APM home page containing a hyperlink not associated with a URL, the system became unresponsive. This issue has been resolved. (TS ID: 298778)

#### LDAP Integration

---

- Previously, LDAP synchronization occurred based on the Meridium User ID and the Active Directory User ID. If the User IDs did not match, LDAP synchronization did not occur as expected and a new Meridium User ID may have been created. Now, LDAP Synchronization can be performed based on the LDAP User ID, resolving these issues. A new check box has been added to the **LDAP Integration** dialog box which is accessible via Global Preferences on the **Configuration Manager Tools** menu. To use the LDAP User ID for LDAP synchronization, you should select the new **Enable Create/Update Users LDAP User ID** check box. (TS ID: 298082)

#### mobileAPM

---

- Previously, devices running iOS 10.1.1 or a later version generated a 32-bit architecture application warning when using mobileAPM. This issue has been resolved. Now, mobileAPM is built using 64-bit architecture. (TS ID: 284656)

#### Policy Manager

---

- Previously, when you viewed XI Tag reading timestamps for HDA and DA readings in a policy, they were not displayed according to the policy Time Zone setting. This issue has been resolved. (TS ID: 308570)
- Previously, policies containing XI Tag nodes that were not set to trigger the policy were incorrectly executed when the XI Tag record values were updated. This issue has been resolved. (TS ID: 304370)

## Failure Elimination

### Reliability Analytics

---

- Previously, when you viewed a Production Analysis, the Analysis ID field filter did not display all the available records. This issue has been resolved. (TS ID: 297853)

### Root Cause Analysis

---

- Previously, the user documentation stated that an RCA team member having a viewer role within a given analysis could only view the analysis after it had been published. This issue has been resolved. The documentation now states that an RCA team member having a viewer role within a given analysis can view the analysis in any state. (TS ID: 305709)

## Asset Safety

### SIS Management

---

- Previously, when you attempted to change the State of a SIL Analysis from Pending Approval to Complete, an error occurred. This issue has been resolved. (TS ID: 309540)
- Previously, when you calculated an RBI PRD Analysis, the Recommended Inspection Interval was calculated incorrectly and exceeded the maximum intervals defined for each Risk Category. This issue has been resolved. (TS ID: 294954)

## Asset Strategy

### Asset Strategy Management (ASM)

---

- Previously, when your Meridium APM Culture Setting was Russian and you attempted to:
  - Import an Asset Strategy, an error occurred.
  - Export ASM data more than once without first refreshing the grid data, Meridium APM stopped responding.

These issues have been resolved. (TS ID: 294956)

## Mechanical Integrity

## RBI

---

- Previously, Long Term Avg. Corr. Rate and Short Term Avg. Corr. Rate values may have been calculated incorrectly due to the inclusion, in the calculations, of TMLs that should have been excluded. This issue has been resolved. (TS ID: 302186)
- Previously, when you viewed a PRD Analysis after linking an Inspection record having a highly effective inspection value, the Probability of Failure on Demand was incorrectly calculated and the wrong value was displayed. This issue has been resolved. (TS ID: 301074)

## V3.6.1.5.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.5.0

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.5.0

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The following enhancements have been made in V3.6.1.5.0.

### Failure Elimination

#### Root Cause Analysis

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- RCA Recommendations viewed from the **My PROACT** page now display the current state. (TS ID: 296251)

## Resolved Issues - V3.6.1.5.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.5.0.

### APM Foundation

#### Graphs

---

- Previously, when a Security User created a graph and saved it, the default ownership was lost and the user was unable to modify and save the graph. When the graph was viewed in the Catalog, the Owner field was blank. These issues have been resolved. (TS ID: 309544)

#### Operator Rounds (OPR)

---

- Previously, when using a custom query to download Routes and Measurement Location records to handheld devices, errors occurred and the devices did not sync as expected. This issue has been resolved. (TS ID: 314343)

#### Process Integration (PDI)

---

- Previously, the PDI Service did not filter out duplicate Xi tag readings. Due to this, policies were executed multiple times. This issue has been resolved. (TS ID: 297765)
- Previously, when the PDI Service user account was set to a time zone other than local, duplicate Xi tag readings may have been created. This issue has been resolved; however, it is recommended that the PDI Service user account always be set to the local time zone of the PDI server machine. (TS ID: 280042)

#### Schedule Manager

---

- Previously, when you scheduled an item in the Scheduler Manger, the **Execute scheduled items for this data source on this Application Server?** check box was automatically selected in the Meridium APM Data Source Manager and the scheduled item failed to run as expected. This issue has been resolved. (TS ID: 306265)

### Asset Strategy

## Asset Strategy Management

---

- Previously, when you imported or exported ASM data as a Meridium APM Security User whose Culture setting was Russian:
  - ASM data in Russian could not be imported.
  - Attempting a subsequent export after a successful export resulted in the application becoming unresponsive.

These issues have been resolved. (TS ID: 294956)

## Failure Elimination

### Production Loss Accounting (PLA)

---

- Previously, for Production Plans created for sites that observe Daylight Saving Time (DST), when the production data was created using the PLA service, the production data was not captured for one hour at the beginning of DST and was captured for one additional hour at the end of DST. This issue has been resolved. (TS ID: 307542)
- Previously, when the end date and time of one Production Plan matched the start date and time of the next Production Plan, the Production Data for the second Production Plan was not captured. This issue has been resolved. (TS ID: 296740)
- Previously, if you entered decimal values in the following fields, the values were truncated and displayed as integer values:
  - Short Range Plan field on the **Production Data Entry** page.
  - Quantity field in the **Plan Detail** section on the **Production Plan Management** page.

This issue has been resolved. Now, if you want the values in the aforementioned fields to appear as decimal values, on the **Production Loss Accounting Administration** page, select the **Decimal** check box. (TS ID: 283549)

- Previously, when two users simultaneously attempted to modify the same PLA record, a message appeared, indicating that the record was being updated by another user, and Meridium APM stopped responding. This issue has been resolved. (TS ID: 289916)
- Previously, in the production data sections of the **Production Data Entry** page, if you entered a value in the Short Range Planfield that was approaching or equal to

the value in the Max Demonstrated Rate field, an error occurred. This issue has been resolved. (TS ID: 279016)

## Mechanical Integrity

### RBI 581

---

- Previously, if you assigned an inspection to a Degradation Mechanism in RBI but did not have a license for the RBI 581 module, an object reference error message appeared. This issue has been resolved. (TS ID: 301428)



## Release Notes - V3.6.1.5.1

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### mobileAPM

- Previously, when you added a Comment to a Measurement Location, the window that appeared displayed only the Action aligned with the Measurement Location Limit Value with which the current reading value was associated. This issue has been resolved. Now, the window displays all Actions defined in the **Limit Values** section for the Measurement Location. (TS ID: 331526)

## Release Notes - V3.6.1.5.2

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### mobileAPM

- Previously, if your device was offline when you accessed mobileAPM, an incorrect message appeared stating the selected server is not available. If your device came back online, the same message was displayed when you accessed the application, the available data sources were not listed, and you had to re-enter the application server details. This issue has been resolved. Now, if you are offline, when you access the application, a message appears stating that you are offline and you need to go back online to reconnect. (ID: TFS343396)
- Previously, when using mobileAPM on an iOS 11 device, the left menu panel did not open or close as expected after a new dialog box opened. This issue has been resolved. (ID: TFS341470)

## Release Notes - V3.6.1.5.3

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### mobileAPM

- On the **Inspection** screen for Routes, an option is now available to filter and display on the device only Routes that are due based on the defined Route schedule. (ID: TFS353488)
- When you return to the keyword search results on the **Inspection** screen for Routes after previously selecting a search result, your most recent search term and results now remain in effect until your session ends. (ID: TFS353487)
- Previously, when you accessed a site, then selected an item in the **Area** list, and then accessed the **Inspection** tab and searched for Route records, the search did not work as expected. This issue has been resolved. (ID: TFS352258)
- Previously, when you used mobileAPM on a device, drop-down list boxes in the application may have been unresponsive, preventing you from making selections. This issue has been resolved. (ID: TFS350773)
- Previously, if you accessed mobileAPM from a device using Android 5.1.1, when you unsubscribed from a Route, the Route still appeared on the device. This issue has been resolved. (ID: TFS350570)

## Release Notes - V3.6.1.5.4

---

### mobileAPM

- Previously, on an Android version 4.X device, when you attempted to access the **Inspection** page in mobileAPM, you were unable to access the Routes to which you were subscribed. This issue has been resolved. (ID: TFS355268)

## V3.6.1.6.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.6.0

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.6.0

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The following enhancements have been made in V3.6.1.6.0.

### Risk Based Inspection (RBI)

#### RBI 581

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- The performance of bulk calculation of RBI 581 Risk Analyses has been improved. It now takes less time to calculate an analysis. In addition, changes made in Risk Based Inspection 581 in V3.6.0.12.0 and later have been included in V3.6.1.6.0. (TS ID: 316372)

## Resolved Issues - V3.6.1.6.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.6.0.

### APM Foundation

#### Datasets

---

- Previously, when you saved a new dataset on the **Dataset Editor** page and then viewed it in the Meridium APM Catalog, the Owner field was empty. This issue has been resolved. (TS ID: 338573)

#### Documentation

---

- Previously, in the Meridium APM Supported Software and Devices topic and the About Devices in Thickness Monitoring topic, the 37DL and 38DL Plus Ultrasonic Thickness Gage devices did not include both the previous (Panametrics) and current (Olympus) brand names. This issue has been resolved. Now the device names are listed as follows:
  - Olympus (Panametrics) 37DL Plus Ultrasonic Thickness Gage
  - Olympus (Panametrics) 38DL Plus Ultrasonic Thickness Gage

(TS ID: 331925)

#### Installation

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- Previously, the Meridium APM distribution package included a 32-bit installer that was not required for installation. This issue has been resolved. (TS ID: 336859)

#### mobileAPM

---

- Previously, when you added a Comment to a Measurement Location, the window that appeared displayed only the Action aligned with the Measurement Location Limit Value with which the current reading value was associated. This issue has been resolved. Now, the window displays all Actions defined in the Limit Values section for the Measurement Location. (TS ID: 332707)
- Previously, when you resized the Asset Hierarchy Tool and decreased the size of the window, the Application Server and Datasource names were truncated. This issue has been resolved. (TS ID: 290215)

## Operator Rounds (OPR)

---

- Previously, when you scanned a tag to unlock a measurement location using an Ecom i.roc handheld device with a low frequency reader, the device stopped responding. This issue has been resolved. (TS ID: 315068)

## Failure Elimination

### Production Loss Analysis (PLA)

---

- Previously, when you sorted a column in ascending or descending order on the **Production Event Management** page, columns containing numeric data or dates were sorted incorrectly. This issue has been resolved. (TS ID: 338102)
- Previously, when you accessed PLA from a Meridium APM Framework machine and attempted to open a Production Unit record, the specified data source was not found. This issue has been resolved. (TS ID: 323932)
- Previously, users belonging to the MI Production Loss Accounting Manager Security Group received an error stating that they did not have update privileges when they tried to access Production Plan or Production data. This issue has been resolved. (TS ID: 323703)

### Root Cause Analysis (RCA)

---

- Previously, when a team member was removed from the RCA Analysis Team, all RCA Preserve Item records were assigned to the Principal Analyst instead of the records previously assigned to the team member who was removed. This issue has been resolved. (TS ID: 313412)
- Previously, when you removed the Principal Analyst team member from the RCA Analysis Team without first designating a different team member as the Principal Analyst, either a generic error message was displayed or the member was incorrectly removed. This issue has been resolved. (TS ID: 313412)

## Mechanical Integrity

### Risk Based Inspection (RBI)

---

- Previously, when you calculated an RBI PRD Analysis associated with a Criticality Leak Deg. Mech. Eval. or Criticality Over Pressure Deg. Mech. Eval., the Probability



of Leak field or the Probability of Failure field calculations may have been incorrect. This issue has been resolved. (TS ID: 327946)

- Previously, when you calculated an RBI PRD analysis, the Recommended Inspection Interval was calculated incorrectly and exceeded the maximum intervals defined for each Risk Category. This issue has been resolved. (TS ID: 324645)
- Previously, when you modified Meridium APM baseline security for RBI users by removing update privileges on the PV Stress, Piping Stress, or Tank Stress reference tables, the RBI Allowable Stress value was not calculated as expected. This issue has been resolved. (TS ID: 312225)

## RBI 581

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- Previously, the RBI Criticality Analysis Allowable Stress value was not calculated when the Material Grade had an associated Material Type in the Piping Stress family. This issue has been resolved. (TS ID: 324791)

## RBI 580

---

- Previously, if you assigned an inspection that satisfied the following conditions to a Criticality Over Pressure Deg. Mech. Eval. record, then the value in the Probability of Failure on Demand field increased instead of decreasing or remaining the same:

- The inspection was performed within one year of the previous inspection.
- The value in the Over Pressure Test Results field was *Pass* and the value in the Weibull Updated Characteristic Life field decreased.

-or-

The value in the Over Pressure Test Results field was *Fail* and the value in the Weibull Updated Characteristic Life field increased.

Similarly, if you assigned an inspection that satisfied the following conditions to a Criticality Leak Deg. Mech. Eval. record, then the value in the Probability of Leak field increased instead of decreasing or remaining the same:

- The inspection was performed within one year of the previous inspection.
- The value in the Leak Test Results field was *No Leak* and the value in the Weibull Updated Characteristic Life field decreased.

-or-

The value in the Leak Test Results field was *Leak* and the value in the Weibull Updated Characteristic Life field increased.

These issues have been resolved. If the inspection satisfies the aforementioned conditions, then the previous inspection date is used to calculate the value in the Weibull Updated Characteristic Life field. (TS IDs: 324646)

## Thickness Monitoring

---

- Previously, when your Security User account was associated with a Metric UOM Conversion Set and you uploaded data from a supported device, reading values in the list of datapoints on the Devices page may have been incorrectly displayed in inches. This issue has been resolved. (TS ID: 327712)

## Release Notes - V3.6.1.6.1

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### mobileAPM

- Previously, when using mobileAPM on an iOS 11 device, the left menu panel did not open or close as expected after a new dialog box opened. This issue has been resolved. (ID: TFS350645)

### Production Loss Analysis (PLA)

- Previously, when you created or updated a Production Plan, the dates in the Production Data reflected your time zone, instead of the time zone specified in the Timezone field of the Production Unit. This issue occurred when the Timezone field was blank. This issue has been resolved. To facilitate this fix, Timezone has been made a required field. (ID: TFS350757)
- Previously, when you added or deleted a field from the Production Event family, the list of available fields on the **PLA - Production Event Management** page was not updated. This issue has been resolved. (ID: TFS350643)

### Risk Based Inspection

- Previously, the baseline RBI Risk Matrix could be customized by modifying values in the corresponding Risk Matrix record and the records to which it was linked. However, you were limited to using five Probability records and five Consequence records, which restricted the size of the RBI Risk Matrix and prohibited adding additional columns or rows. This issue has been resolved. Now, in compatible Meridium APM environments, you can select a larger 8x8 RBI Risk Matrix that accommodates eight Probability and eight Consequence records. Before using an 8x8 RBI Risk Matrix, however, contact GSS to configure the Meridium APM environment to ensure that the RBI Risk Matrix appears and functions as expected. (TS ID: 350642)

### Root Cause Analysis

- Previously, on the **Event Diagram** page, changes were not saved and errors occurred when you:
  - Added a node and then selected **Cancel** in the **Node Properties** window.
  - Deleted a link between nodes.
  - Assigned a decimal value to the x or y coordinates for a node in environments using a SQL database.

- Repositioned a node having x-coordinate or y-coordinate decimal values in environments using a SQL database.

These issues have been resolved. (TS ID: 340622)

## Release Notes - V3.6.1.6.2

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### mobileAPM

- Previously, using the Chrome browser version 65 or later, you could not access a Site, Area, Unit, or Asset whose name contained a space. This issue has been resolved. (ID: TFS370592)
- Previously, in the localized version of mobileAPM, when you accessed a Health Indicator, navigated to a different page, and then accessed the Health Indicator again, the date format changed. This issue has been resolved. (ID: TFS370583)
- Previously, in the localized version of mobileAPM, the text was not translated. This issue has been resolved. (ID: TFS369175)
- Previously, the date format in the date fields in an Operator Rounds Recommendation record was not updated based on the culture setting. This issue has been resolved. (ID: TFS369016)
- Previously, after you marked a Route done and refreshed the page, an error occurred. This issue has been resolved. Now, in this scenario, the Route History appears. (ID: TFS367911)
- Previously, the font size of the text in the More Information field in a Measurement Location record was too small. This issue has been resolved. (ID: TFS365936)

## V3.6.1.7.0 Release Notes

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The following release notes are available for Meridium APM V3.6.1.7.0:

- [Enhancements](#)
- [Resolved Issues](#)

## Enhancements - V3.6.1.7.0

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The following enhancements have been made in V3.6.1.7.0.

### mobileAPM

- Now, mobileAPM supports Near Field Communication (NFC) scanning capability built into the Ecom Smart-Ex 01 smartphone. (TS ID: 356353)
- MobileAPM now supports iOS 11.3. (TS ID: 356263)
- On the **Inspection** screen for Routes, an option is now available to filter and display on the device only Routes that are due based on the defined Route schedule. (TS ID: 353992)
- When you return to the keyword search results on the **Inspection** screen for Routes after previously selecting a search result, your most recent search term and results now remain in effect until your session ends. (TS ID: 353851)
- MobileAPM now supports the Ecom Smart-Ex 01 smartphone and its built-in NFC or Near Field Communication scanning capability. The third-party NFC Tools app is required and must be installed before you can take NFC tag readings with mobileAPM. (TS ID: 341046)
- MobileAPM now supports Android 5.1. (TS ID: 336168)

## Resolved Issues - V3.6.1.7.0

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The following issues existed in one or more previous releases and have been resolved in V3.6.1.7.0.

### Asset Criticality Analysis

- Previously, when sorting the records in an ACA System, the sort function erroneously interchanged the values in the **System ID** and **Equipment ID** columns. This issue has been resolved. (TS ID: 345594)
- Previously, when accessing an ACA system from the pane in the page for the selected Analysis, if you expanded that system and then collapsed that system, if you expanded that system again, the records contained within that system were erroneously duplicated. This issue has been resolved. (TS ID: 340038)
- Previously, when using the ACA module, Security Users with Read-Only permissions for the Risk Rank family encountered errors when the **Not Applicable** check box was selected on a Risk Matrix. This issue has been resolved. (TS ID: 343384)
- Previously, if you deleted an ACA record from the **Asset Criticality Analysis Summary** page, the relationship between that record and the Functional Location was not properly deleted, and the record would still appear in search results. This issue has been resolved. Now, when you delete an ACA record from the **Asset Criticality Analysis Summary** page, the record and the relationship are deleted, and the record does not appear in search results. (TS ID: 333963)

### Asset Health Manager (AHM)

- Previously, when you took a reading for an asset using the GE Digital APM mobile application, the Health Indicator record associated with the asset was not correctly updated with the last reading date. This issue has been resolved. (TS ID: 343365)

### Asset Strategy Management

- Previously, when you attempted to apply an Asset Strategy Template as a master to your assets, the process to apply the template appeared to start, but the status progress bar did not reach 100 percent. This issue has been resolved. (TS ID: 349305)



- Previously, if you updated the value in the Cost field of the **Modify Action – Mitigating Condition Based Actions** window for an existing Action, the value in the Annual Cost field did not was not updated based on the new value in the Cost field. This issue has been resolved. (TS ID: 341464)

## Inspection Management

- Previously, when you created an Inspection Task for an RBI Recommendation, the Task Details field in the Inspection Task was not populated when the RBI Recommendation was consolidated. This issue has been resolved. (TS ID: 356893)
- Previously, when you used Record Manager to add a Finding to an Inspection record, the new Finding did not appear unless you refreshed the page. This issue has been resolved. (TS ID: 352506)

## mobileAPM

- Previously, you could not access Reference Documents when using mobileAPM on a handheld device with Android 5.x and older. This issue has been resolved. (TS ID: 360207)
- Previously, when you entered search criteria to filter search results, the scroll functionally did not respond. This issue has been resolved. (TS ID: 358699)
- Previously, when you used mobileAPM on a device, drop-down list boxes in the application may have been unresponsive, preventing you from making selections. This issue has been resolved. (TS IDs: 358068, 347621)
- Previously, you could not access, via the Chrome browser version 65 or later, a Site, Area, Unit, or Asset whose name contained a space. This issue has been resolved. (TS ID: 356986)
- Previously, on an Android version 4.x device, when you attempted to access the **Inspection** page in mobileAPM, you were unable to access the Routes to which you were subscribed. This issue has been resolved. (TS ID: 356259)
- Previously, the last route did not appear in the **Inspection** screen. This issue has been resolved. (TS ID: 353999)

- Previously, if you accessed mobileAPM from a device using Android 5.1.1, when you unsubscribed from a Route, the Route still appeared on the device. This issue has been resolved. (TS ID: 353852)
- Previously, if your device was offline when you accessed mobileAPM, an incorrect message appeared stating the selected server was not available. If your device came back online, the same message was displayed when you accessed the application, the available data sources were not listed, and you had to re-enter the application server details. This issue has been resolved. Now, if you are offline, when you access the application, a message appears stating that you are offline and you need to go back online to reconnect. (TS ID: 347784)
- Previously, when you accessed the **Inspection** screen to view the list of routes, routes whose IDs contained single quotes did not download and the routes remained in Downloading... status. This issue has been resolved. (TS ID: 347546)
- Previously, when you accessed a site, then selected an item in the **Area** list, and then accessed the **Inspection** tab and searched for Route records, the search did not work as expected. This issue has been resolved. (TS ID: 347542)
- Previously, you were unable to scan RFID tags using the Ecom Smart-Ex 01 Android device. This issue has been resolved. (TS ID: 347541)
- Previously, when using MobileAPM on an iOS 11 device, the left menu panel did not open or close as expected after a new dialog box was opened. This issue has been resolved. (TS ID: 343367)
- Previously, if a Route had multiple assets and Measurement Locations due, the green progress bar did not account for the unsatisfied conditional Measurement Locations. This issue has been resolved. (TS ID: 286483)

## Production Loss Analysis

- Previously, in the **PLA – Production Event Management** page, when you right-clicked the table header, and then selected the **Show Available Fields** option, the **Available Fields** list that appeared did not contain the custom fields that were added to the Production Event family. This issue has been resolved. (TS ID: 352375)

## Risk Based Inspection

- Previously, the navigation paths for the following XML files were incorrect in the GE Digital APM Installation and Upgrade document:
  - 08\_MI\_CLMND\_PR.xml
  - 101\_MI\_STMPCNFG.xml
  - 102\_MI\_STRMAPP.xml
  - MI\_POLICY.xml
  - MI\_ESD\_H2S0.xml
  - MI\_EST\_SULF\_NAP\_CORRT.xml
  - MI\_HLCORR\_STEEL.xml

This issue has been resolved. Additionally, an unnecessary step was removed from the Updating or Upgrading RBI to V3.6.1.6.0 topic.

(TS ID: 362521)

- Previously, when you selected the **Generate Recommendations using Policy Manager** check box in the **Admin Preferences for Risk Based Inspection** window, and generated recommendations for an RBI 581 Risk Analysis associated with the Equipment that appears at the first level of the tree in the **RBI Explorer** pane, an inaccurate error message appeared. This issue has been resolved. Now, in this scenario, an error message appears, indicating that the recommendation generation failed because Inspection Strategy and Policy Records do not exist. (TS ID: 346564)
- Previously, in an RBI 581 Risk Analysis, if you selected the **Stress Override** check box, the following issues existed:
  - If you modified the value in the Stress Lookup Table field, the value that you had entered in the Flow Stress field was replaced with 0.
  - If you did not select a value in the Stress Lookup Table field, the analysis calculation failed. A validation message appeared, indicating that the Stress Lookup Table field must contain a value.

These issues have been resolved. Now, if you select the **Stress Override** check box:

- The values that you enter in the Flow Stress field and Allowable Stress field are retained even after you modify the value in the Stress Lookup Table field.
- The analysis is calculated successfully even if the Stress Lookup Table field does not contain a value.

(TS ID: 340179)

## Root Cause Analysis

- Previously, when you copied and pasted a node with an empty label in the Event Diagram, an error occurred. This issue has been resolved. (TS ID: 352513)
- Previously, on the **Event Diagram** page, changes were not saved and errors occurred when you:
  - Added a node and then selected **Cancel** in the **Node Properties** window.
  - Deleted a link between nodes.
  - Assigned a decimal value to the x- or y-coordinates for a node in environments using SQL databases.
  - Repositioned a node having x-coordinate or y-coordinate decimal values in environments using SQL databases.

These issues have been resolved. (TS ID: 352266)

## SIS Management

- Previously, in the **Final Element Reference Data** page, while creating or updating a Protective Instrument Loop Final Element, if you selected the **Severe Service** check box, an error occurred. This issue has been resolved. (TS ID: 345395)

## Thickness Monitoring

- Previously, when a user whose culture setting was French or German tried to save Thickness Measurement readings using a datalogger device, an error occurred. This issue has been resolved. (TS ID: 343369)

## Tools

### Advanced Search

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- Previously, if you entered values in the **Search In**, **Linked To**, and **Through** boxes and added one or more field conditions to an advanced search, an error occurred when you selected a hyperlink in the **Linked To** column in the search results. This issue has been resolved. (TS ID: 351297)

### Policy Manager

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- Previously, for Policies with a Measurement Location node configured to automatically trigger the Policy, adding a new reading to the associated Measurement Location record triggered multiple Policy executions. This issue has been resolved.

(TS ID: 361160)

- Previously, when you executed a Policy configured to update Health Indicator records, the reading timestamp in the execution history appeared in Coordinated Universal Time (UTC) and in 12-hour format. This issue has been resolved. Now, in this scenario, the reading timestamp appears in 24-hour format and in the time zone associated with the Policy. (TS ID: 344673)
- Previously, time in the execution history of Policies appeared in 12-hour format. This issue has been resolved. Now, the time appears in 24-hour format. (TS ID: 337897)

## Queries

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- Previously, if you added a query alias for a field, the localization for the query alias was incorrectly applied to related Entity Family captions throughout the system. This issue has been resolved. Now, the localization will be applied only to the query alias. (TS ID: 350275)
- Previously, if you accessed the query design view for a Crosstab query, and then attempted to run the query, an error occurred. This issue has been resolved. (TS ID: 340030)

## Release Notes - V3.6.1.7.1

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### Risk Based Inspection

- Previously, the baseline RBI Risk Matrix could be customized by modifying values in the corresponding Risk Matrix record and the records to which it was linked. However, you were limited to using five Probability records and five Consequence records, which restricted the size of the RBI Risk Matrix and prohibited adding additional columns or rows. This issue has been resolved. Now, in compatible Meridium APM environments, you can select a larger 8x8 RBI Risk Matrix that accommodates eight Probability and eight Consequence records. Before using an 8x8 RBI Risk Matrix, however, contact GSS to configure the Meridium APM environment to ensure that the RBI Risk Matrix appears and functions as expected.

(TS ID: 365030)

## Release Notes - V3.6.1.7.2

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### mobileAPM

- Previously, in the localized version of mobileAPM, when you accessed a Health Indicator, navigated to a different page, and then accessed the Health Indicator again, the date format changed. This issue has been resolved. (ID: TFS370664)
- Previously, the date format in the date fields in an Operator Rounds Recommendation record was not updated based on the culture setting. This issue has been resolved. (ID: TFS370072)
- Previously, in the localized version of mobileAPM, the text was not translated. This issue has been resolved. (ID: TFS370071)
- Previously, the font size of the text in the More Information field in a Measurement Location record was too small. This issue has been resolved. (ID: TFS369929)
- Previously, after you marked a Route done and refreshed the page, an error occurred. This issue has been resolved. Now, in this scenario, the Route History appears. (ID: TFS369928)