



GE VERNOVA

Asset Performance Management

On-Premises APM

V5.0.7.0.0

Workflow Solutions

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Chapter 1

Overview

Topics:

- [Overview of the Workflow Solutions](#)

Overview of the Workflow Solutions

Workflow Solutions Content enables GE Vernova Services to deliver tailored configurations of APM that are aligned to a customer's work processes. 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 added.

Workflow Solutions Content is designed to be used only after configuration by GE Vernova Services. Therefore, this documentation provides only high-level information to allow you to identify the Content. If you engage GE Vernova Services to configure the Content, documentation of the fully configured solution will be provided as a deliverable of the service engagement.

For more information on Workflow Solutions, contact your GE Vernova account manager.

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.

Chapter 2

Equipment Health Workflow

Topics:

- [About Equipment Workflow](#)
- [Data Configuration](#)
- [Security Groups and Roles](#)
- [Module Workflow Policies](#)
- [Catalog](#)

About Equipment Workflow

The Equipment Health Workflow Content includes families, fields, family policies, system tables and codes, permissions, security groups and roles, policies, and catalog content that supplements the Asset Health Management and Rounds modules in APM.

Data Configuration

The following sub-sections are included in the **Data Configuration** section:

- Entity Families
- Relationship Families
- Relationship Definitions
- Fields
- Datasheets
- Family Policies
- System Codes and Tables

These sub-sections enable you to tailor the APM configuration to align with your work processes.

Entity Families

| Family | Family ID |
|---------------------------|-------------------|
| Time Series Tag | MI_TSTAG |
| Time Series Tag Values | MI_TSTAGVAL |
| Workflow Configuration | MI_WRKFLW_CONFIG |
| Asset Criticality Mapping | MI_ASSE_CRIT_MAPP |
| P to M Asset Mapping | MI_PTOMAMAP |

Relationship Families

| Family | Family ID |
|-----------------------------|---------------------------|
| Has Time Series Tag | MI_HAS_TS_TAG |
| Has Time Series Value | MI_HAS_TS_VALUES |
| Has Workflow Config Details | MIR_HS_WRKFLW_CONFIG_DTLS |

Relationship Definitions

| Relationship ID | Predecessor Family | Successor Family | Cardinality |
|-----------------|---------------------|------------------|--------------|
| MI_HAS_TS_TAG | Equipment | Time Series Tag | Many to Many |
| MI_HAS_TS_TAG | Functional Location | Time Series Tag | Many to Many |

| Relationship ID | Predecessor Family | Successor Family | Cardinality |
|---------------------------|------------------------|--------------------------------|-------------|
| MI_HAS_TS_VALUES | Time Series Tag | Time Series Tag Values | One to Many |
| MIR_HS_WRKFLW_CONFIG_DTLS | Workflow Configuration | Workflow Configuration Details | One to Many |

Fields

| Family | Family ID | Additional Field | Additional Field ID |
|----------------------|-------------|------------------|------------------------------|
| Functional Location | MI_FNCLOC00 | EHW Status | MI_FNCLOC00_EHW_STAT US_C |
| Equipment | MI_EQUIP000 | EHW Status | MI_EQUIP000_EHW_STATU S_C |
| Measurement Location | MI_MEAS_LOC | EHW Weight | MI_MEAS_LOC_EHW_WGH T_N |
| Health Indicator | MI_HLTH_IND | EHW Weight | MI_HLTH_IND_TYPE_C |
| Health Indicator | MI_HLTH_IND | Type | MI_HLTH_IND_EHW_WGHT _N |

Datasheets

| Family | Datasheet Name | Datasheet Caption | Datasheet ID |
|----------------------------|--|-------------------------------|---------------------|
| Equipment | Health Workflow Status (Equipment) | EHW Status | EHW_STATUS |
| Functional Location | Health Workflow Status (Functional Location) | EHW Status | EHW_STATUS |
| Measurement Location | Update ML Weight | EHW ML Weight | EHW_WEIGHT |
| P to M Asset Mapping | P to M Asset Mapping | EHW P to M Asset Mapping | EHW_P_M_MAPPING |
| Time Series Tag | Time Series Tag | EHW TimeSeries Tag | EHW_TS_TAG |
| Workflow Configuration | Workflow Module Config | EHW Workflow Configuration | EHW_CONFIG |
| Asset Criticality Mapping | Asset Criticality Mapping | EHW Asset Criticality Mapping | EHW_ASSET_CRIT_MAPP |
| Measurement Step | EHW Measurement Step | EHW Measurement Step | EHW_MEAS_STP |
| EHW Workflow Module Config | EHW Workflow Module Config | EHW Workflow Module Config | EHW_CONFIG |

System Codes and Tables

| System Table Description | System Table ID |
|---------------------------|--------------------|
| Health Workflow Status | MI_EHW_STATUS |
| Time Series Tag Type | MI_TSTAG_TYPE |
| Time Series Tag Operation | MI_TSTAG_OPERATION |
| Health Indicator Type | MI_HEALTH_IND_TYPE |
| Tag Source | MI_EHW_TAG_SOURCE |

Security Groups and Roles

The following table details the Security Groups, and Roles in the Equipment Health Workflow:

| Groups | EHW Editor | EHW User | EHW Viewer |
|-----------------|------------|----------|------------|
| Security Groups | Yes | Yes | Yes |
| Roles | Yes | Yes | Yes |

Module Workflow Policies

The following are the workflow policies available for the Equipment Health Workflow:

- EHW Calculate Asset AHI (Main) - Segment 001
- EHW Calculate Asset AHI (Main) - Segment 002
- EHW Calculate Asset AHI (Main) - Segment 003
- EHW Calculate Asset AHI (Main) - Segment 004
- EHW Calculate Asset AHI (Main) - Segment 005
- EHW Calculate Asset AHI (Main) - Segment 006
- EHW Calculate Asset AHI (Main) - Segment 007
- EHW Calculate Asset AHI (Main) - Segment 008
- EHW Calculate Asset AHI (Main) - Segment 009
- EHW Calculate Asset AHI (Main) - Segment 010
- EHW Create-Update
- EHW Alert Level for HI
- EHW Read Tag list - PTS
- EHW FLOC After Update Sub Policy
- EHW Equipment After Update Sub Policy
- EHW Create-Delete Asset and Tag Policy Instances - OTC
- EHW Read Tag list - OTC
- EHW Calculate Rounds CP1 and CP2
- EHW Calculate TS CP1 and CP2
- EHW Calculate PM CP1 and CP2
- EHW Calculate CM CP1 and CP2
- EHW Calculate REC CP1 and CP2

- EHW Calculate PD CP1 and CP2
- EHW Create Time Series Value
- EHW TimeSeries After Insert Sub Policy
- EHW Calculate CP1 Score Impact
- EHW Create-Delete Asset and Tag Policy Instances
- EHW Read Time Series Values (Main) - Segment 1
- EHW Read Time Series Values (Main) - Segment 2
- EHW Read Time Series Values (Main) - Segment 3
- EHW Read Time Series Values (Main) - Segment 4
- EHW Read Time Series Values (Main) - Segment 5
- EHW Read Time Series Values (Main) - Segment 6
- EHW Read Time Series Values (Main) - Segment 7
- EHW Read Time Series Values (Main) - Segment 8
- EHW Read Time Series Values (Main) - Segment 9
- EHW Read Time Series Values (Main) - Segment 10
- EHW Calculate Rounds Pro CP1 and CP2
- EHW CP2 Description by CP1 Category Description
- EHW Read Time Series Values (Main) OTC - Segment 1
- EHW Read Time Series Values (Main) OTC - Segment 2
- EHW Read Time Series Values (Main) OTC - Segment 3
- EHW Read Time Series Values (Main) OTC - Segment 4
- EHW Read Time Series Values (Main) OTC - Segment 5
- EHW Read Time Series Values (Main) OTC - Segment 6
- EHW Read Time Series Values (Main) OTC - Segment 7
- EHW Read Time Series Values (Main) OTC - Segment 8
- EHW Read Time Series Values (Main) OTC - Segment 9
- EHW Read Time Series Values (Main) OTC - Segment 10
- EHW Process Workflow Configuration
- EHW Process Workflow Configuration for RoundsPro

Catalog

All catalog items from the following folders and subfolders are included in the Equipment Health Workflow content.

- Baseline\Workflows\Equipment Health Tracking Workflow
- Public\Workflows\Equipment Health Tracking Workflow

Chapter 3

Production Tracking Workflow

Topics:

- [About Production Tracking Workflow](#)
- [Security Groups and Roles](#)
- [Catalog](#)

About Production Tracking Workflow

The Production Tracking Workflow Content includes permissions, security groups and roles, and catalog content that supplements the Production Loss Analysis features of APM.

Security Groups and Roles

The following table details the Security Groups, and Roles in the Production Tracking Workflow:

| Groups | PTW Editor | PTW User | PTW Viewer |
|-----------------|------------|----------|------------|
| Security Groups | Yes | Yes | Yes |
| Roles | Yes | Yes | Yes |

Catalog

All catalog items from the following folders and subfolders are included in the Production Tracking Workflow content.

- Baseline\Workflows\Production Tracking Workflow
- Public\Workflows\Production Tracking Workflow