SAP Manufacturing Execution 15.2.3

Database Guide

THE BEST-RUN BUSINESSES RUN SAP

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About This Guide

Target Audience

Members of the Professional Services Organization (PSO) or other System Integrators (programmers).

Guide Overview

This Guide contains tables containing detailed business object (BO) definitions for SAP Manufacturing Execution, including the database table names, the columns in each table, and the definition of each column.

Refer to the *Quick Reference Guide* for a description of the objects in a quick reference format.

About SAP Manufacturing Execution Documentation

SAP Manufacturing Execution provides comprehensive online help within each of its activities. To access help, do one of the following:

- Click the **Help** link in the upper right-hand corner.
- In a specific activity, click the Help icon.
- In Maintenance activities, you can also click the **Help** menu and then click either **Contents** to view help that includes a Table of Contents, an Index, and a Search feature, or **Activity Overview** to display an overview of the activity you are in.

Anomalies

The PARTITION_DATE Column

Many tables in the database have a PARTITION_DATE column. The Oracle DBMS uses this column to optimize record storage. SAP Manufacturing Execution does not directly use the PARTITION_DATE column except for the ODS Resource Time Log.

The CHANGE_STAMP Column

Many tables in the database have a CHANGE_STAMP column. This is no longer used in SAP Manufacturing Execution and is not documented here.

Operational Data Store Tables

The Operational Data Store (ODS) tables are stored in separate database from the WIP (Work In Process) tables. These all start with 'ODS_' and are stored in the ODS database.

Operational Data Store Temporary Tables

The Operational Data Store (ODS) processes use a number of temporary tables in the ODS database to store records that are being copied from the WIP database. These tables all start with 'ODS_TEMP_'. The records are never kept in these tables for very long. The temporary tables are:

ODS_TEMP_ATTENDANCE_LOG

ODS_TEMP_COMP_TIME_ASSY_DATA

ODS_TEMP_COMP_TIME_LOG

ODS_TEMP_COMP_TIME_REF_DES

ODS_TEMP_DPMO_TRANSFER

ODS_TEMP_LABOR_LOG

ODS_TEMP_LABOR_LOG_MEMBER

ODS_TEMP_NC_CUSTOM_DATA

ODS_TEMP_NC_DATA

ODS_TEMP_NC_DATA_ADJUSTMENT

ODS_TEMP_PRODUCTION_LOG

ODS_TEMP_RESOURCE_TIME_LOG

ODS_TEMP_RESOURCE_TIME_MEMBER

ODS_TEMP_SFC_ASSY

ODS_TEMP_SFC_ASSY_DATA

ODS_TEMP_SHOP_ORDER

These tables are basically identical to their WIP equivalents.

SAP ME Temporary Tables

SAP Manufacturing Execution uses a number of temporary tables during the process to support more than 1000 entities in Oracle IN Clause. These tables all start with 'VM$_TMP_'. The records are kept in these tables only during the run time. The temporary tables are:

SPC_CHART_TMP_DATA

VM$_TMP_ALARM_LOG

VM$_TMP_AR_HOLD_DETAIL

VM$_TMP_AR_PARA_MEASURE

VM$_TMP_AR_PARAMETRIC

VM$_TMP_BOM_COMPONENT

VM$_TMP_COST_CENTER

VM$_TMP_CERTIFICATION_REQ

VM$_TMP_COMP_TIME_LOG_SG

VM$_TMP_COMP_TIME_LOG_SG_RD

VM$_TMP_COMP_TIME_LOG_SG_LOC

VM$_TMP_COMP_TIME_LOG_SG_AD

VM$_TMP_HOLD_DETAIL

VM$_TMP_HOLD_DETAIL_STEP

VM$_TMP_ITEM

VM$_TMP_LABOR_LOG_MEMBER

VM$_TMP_ODS_LABOR_USER_SUMMARY

VM$_TMP_PARA_MEASURE

VM$_TMP_PARAMETRIC

VM$_TMP_REASON_CODE

VM$_TMP_REPORT_SFC

VM$_TMP_REPORT

VM$_TMP_SFC

VM$_TMP_SFC_STEP

VM$_TMP_USER_LABOR

TMP_DATA_FIELD (used during migration)

TMP_DATA_TYPE (used during migration)

Archive Database Tables

The archive database in SAP Manufacturing Execution contains a subset of the tables from the WIP database. These tables are stored in the ODS database, but with a prefix of AR_ added to their name. For example, the WIP table SFC has an archive table called AR_SFC.

Each WIP table that has an archive equivalent is noted in this document.

These archive tables contain all of the columns from the WIP table plus most of the BO handle columns are expanded into discrete columns. For example, the SFC table has a STATUS_BO column. The AR_SFC table has this STATUS_BO column and two new columns: STATUS and STATUS_SITE. This allows for easier reporting from the archive tables.

The expanded columns are listed in this guide for each _BO column that is expanded in the archive table.

Each archived table will have a new AR_STATE column:

COLUMN	Description
AR_STATE	Defines the state of this archive record. Valid values include: § **Null** – BO Handles have not been processed (expanded) into discrete fields. § **Processed (P)** – BO Handles have been processed (expanded) into discrete fields. **[String(1)]**

Synonyms and Views

The SAP Manufacturing Execution WIP database contains a number of synonyms (or remote) views that are used to access tables in other databases.

All synonyms (or views) that begin with **AR**_ point to the archive tables in the ODS database. These are identical to the corresponding tables in WIP.

All synonyms (or views) that begin with **AL**_ point to the audit logging tables in the ODS database. These are identical to the corresponding tables in WIP, with the added columns mentioned in the next section.

Audit Log Tables

As configuration / setup data is changed in WIP, a record of updates can be copied to ODS Audit Log tables. These tables serve 2 main purposes:

1. Provide a log of changes, including the time period any given record is in effect and the user responsible for the change.
2. Browse tables for building queries against the ODS.

Audit logging will be configurable by table with the options to either keep a record of all changes in the ODS Audit Log, or just to keep only the most recent record in the audit log. The WIP tables that have audit log equivalents are noted in this document.

Each audit log table has the same columns as the WIP table, plus these columns are added to the top-level records (e.g. ITEM, ROUTER, etc.):

COLUMN	Description
AL_HANDLE	A handle which uniquely identifies an “instance” of the record. As an object is edited in SAP Manufacturing Execution, it retains the same HANDLE, but each version of the record is assigned a unique AUDIT LOG HANDLE. **[Handle]**
AL_START_TIME	The time this record became effective. **[DATE_TIME]**
AL_END_TIME	The time this version of the record ended. It represents an update or insert. Equals “end of time” for open records. **[DATE_TIME]**
AL_USER_ID	The user ID responsible for the change. **[String(32)]**
AL_FIRST_NAME	User’s first name. **[String(256)]**
AL_LAST_NAME	User’s last name. **[String(256)]**
AL_STATE	State of this record (ALL or CURRENT). **[String(7)]**
AL_ACTION	Action that took place on this record (CREATE, UPDATE, DELETE). **[String(6)]**

For Parent / Child tables, the columns above exist in both sets of tables.

Tables Not Used in This Release

These tables are no longer used in SAP Manufacturing Execution:

ALARM
ALARM_RECIPIENT
ACTIVITY_FOLDER
DC_ALARM_LOG
INVENTORY_RESERVATION
NC_DATA_FIELD
ROUTER_GROUP
ROUTER_GROUP_MEMBER
ITEM_LINK
T_MACHINESTATES
T_NODES
T_VM_ATTRIBUTES
T_VM_PARAMETERS
T_VM_PORTS
RESOURCE_TRACKING_CAT

ACTIVITY

This business object defines an Activity in SAP ME. An activity is a basic unit of client code that usually (but not always) has a graphical user interface (GUI).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ACTIVITY **(Required, Key)**	The activity ID. [**String (20)**]
DESCRIPTION	The activity's description. [**String (40)**]
SHORT_NAME	The short name used for this activity. This is used in cases where space is tight, perhaps in buttons or menu entries (a resource bundle is used to provide the label). This may also be used when the production operator types in an activity to perform. [**String (10)**]
EXECUTION_TYPE	The type of object to execute. Valid values include: § **Java (V)** – Simple Java class that implements HookableInterface. § **EJB (J)** – EJB class that implements HookableInterface. § **Standalone JSP (S)** – JSP Page that runs standalone (not as a POD Plugin). § **Pod Plugin JSP (P)** – JSP Page that runs as a POD Plugin. § **Native Program (N)** – Native program (executable), batch file or script. § **WPMF Plugin (X)** – A plugin designed for the WPMF POD. [**String (1)**]
CLASS_OR_PROGRAM	The class, JSP or EJB name that is executed. [**String (256)**]
ENABLED	If true, then this activity is enabled and may be used (executed). [**BOOLEAN**]
USE_OUTPUT_AS_INPUT	If true, then this activity's output is passed to the next activity in a chain of hooks. If false, then this activity's output (return value) is ignored. [**BOOLEAN**]

COLUMN	Description/Default
VISIBLE	If true, then this activity is visible to normal users (production operators). This means it may show up in the Activity Manager and other lists. [**BOOLEAN**]
EXECUTION_LOCATION	Unused in this release. Valid values include: § **Client (C)** - The unit is executed on the client. § **Server (S)** - The unit is executed on the server. [**String (1)**]
DATA_IN_OU POD_CONFIGT	Unused in this release. Valid values include: § **Input/Output (O)** - The passed in data is needed by this program/class and it will generate an output. § **Input (I)** - The passed in data is needed by this program/class but no output is expected. [**String (1)**]
EXECUTION_UNIT_BO	Unused in this release. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

ACTIVITY_GROUP

This business object defines a group of activities than can be manipulated or referenced together.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
DESCRIPTION	The description of this activity group. [**String (40)**]
ACTIVITY_GROUP **(Required, Key)**	The activity group. [**String (20)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ACTIVITY_GROUP_ACTIVITY

This business object defines the activity or group that is a member of the parent group.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ACTIVITY_GROUP_BO **(Required, Key)**	The activity group this entry is a member of. [**HANDLE**]
ACTIVITY_OR_GROUP_GBO **(Required, Key)**	The Activity or ActivityGroup that is a child of this parent. [**HANDLE**] [**ActivityBO, ActivityGroupBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ACTIVITY_LOG

This object logs generic activities in the system. It can log an arbitrary event to the database.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
ACTION_CODE	The pre-defined ActionCode to use (from ActivityLogConfig). [**String (20)**]
ACTION_DETAIL	Details about the Action (from ActivityLogConfig). This is a free-form field that may contain any useful action-specific data. [**String (412)**]
ACTION_DETAIL_HANDLE	A handle to additional details about the Action (from ActivityLogConfig). This is used in conjunction with the ActivityLogConfigBO. DetailActivity to display additional detail information within a graphical user interface (GUI). [**HANDLE**]
ACTION_SPAN	A rough estimate of the time this action took to execute. Not populated for all action codes. [**INTEGER**]
ACTIVITY	The Activity Id of the Activity sending this event (from StdActivityBO). [**String (20)**]

COLUMN	Description/Default
TXN_ID **(Required, Key)**	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database txn for reporting purposes. [**String (50)**]
CREW	The crew being used. [**String (26)**]
DATE_TIME	Timestamp for this entry (from StdActivityBO).
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ITEM	The Item in use. [**String (128)**]
ITEM_REVISION	The Revision of the Item. [**String (20)**]
LCC_BO	The Labor Charge Code for this action. [**HANDLE**]
OPERATION	The Operation at which the activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
PREV_SITE **(Required, Key)**	The previous Site at which this event is taking place. [**String (6)**]
PROCESS_LOT	The ProcessLot for this Operation. [**String (128)**]
QTY	The Quantity processed. [**QTY**]
REPORTING_CENTER_BO	The reporting work center for this activity. This is defined at the Router step level. [**HANDLE**]
RESRCE	The Resource in use. [**String (36)**]
REWORK	Is Rework being done at this Router? [**BOOLEAN**]
ROUTER	The Router being used. [**String (128)**]
ROUTER_REVISION	The Revision of this Router. [**String (20)**]
SFC	The SFC for the Operation. [**String (128)**]
SHOP_ORDER_BO	The shop order associated with this activity. [**HANDLE**]
SITE	The Site at which this event is taking place. [**String (6)**]

COLUMN	Description/Default
STEP_ID	The Step on the Router at which the activity took place. [**String (6)**]
SUBSTEP_ID	The substep ID the activity took place. [**String (6)**]
SUBSTEP	The substep the activity took place. [**String (36)**]
USER_ID	The User performing this event. [**String (36)**]
WORK_CENTER	The WorkCenter at which the activity took place. [**String (36)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ACTIVITY_LOG_CONFIG

This object configures which events are logged to the ActivityLog.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for this BO. [**String (6)**]
ACTION_CODE	The Displayable value to store in the database for this Event. [**String (20)**]
LOG_ENABLED	Is logging enabled for this entry? [**BOOLEAN**]
EVENT_ACTION **(Required, Key)**	The action for the event being used. [**String (20)**]
EVENT_TARGET **(Required, Key)**	The target for the event being used. [**String (20)**]
DESCRIPTION	The description of this activity (action code). [**String (40)**]
EVENT	The event that triggered this action code (NOT the Event Type). [**String (40)**]

COLUMN	Description/Default
DETAIL_ACTIVITY_BO	The handle to an activity that can be used to provide detail information about this action. [**ActivityBO**] [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

ACTIVITY_OPTION

This business object defines the activity option(s) for this specific activity instance. See the Design Summary for details on how this object is used.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ACTIVITY_BO **(Required, Key)**	The activity for which the option is defined. [**HANDLE**]
SETTING	The option's value. See ExecUnitOptionDefBO under ExecutionUnit for details. [**String (1024)**]
EXEC_UNIT_OPTION **(Required, Key)**	The option this activity has. (This is a weak reference to an ExecUnitOptionDefBO object). [**String (26)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ACTIVITY_PERM

This is an Enterprise business object that defines the Activity permissions assigned to a user or user group in SAP ME. This object is a link between a User or UserGroup and an Activity or ActivityGroup. This object is maintained in the User and UserGroup Permission panels.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
USER_OR_GROUP_GBO **(Required, Key)**	The User or UserGroup that has these permissions. [**HANDLE**] [**UserBO, UserGroupBO**]
ACTIVITY_OR_GROUP_GBO **(Required, Key)**	The Activity or ActivityGroup to which these permissions belong. [**HANDLE**] [**ActivityBO, ActivityGroupBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ACTIVITY_PERM_SETTING

This business object defines a permission setting for a specific ActivityPermBO (User/Group and Activity/Group pair).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ACTIVITY_PERM_BO **(Required, Key)**	The activity permission object for which this setting is defined. [**HANDLE**]
PERMISSION **(Required, Key)**	Defines the permission for User/Group and Activity/Group pair. [**String (20)**]
PERMISSION_SETTING	The value of the permission (True means allowed, False means not allowed). [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ALTERNATE_COMPONENT

This is a business object that defines an alternate component that may be used in place of a given BOM component. This object provides the details that allow another component to be used in place of the expected BOM component.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
SUBSTITUTE	If true, then this component is a valid substitute for the BOM component. [**BOOLEAN**]
BOM_COMPONENT_BO **(Required, Key)**	The Parent BOMComponent this is part of. [**HANDLE**]
ITEM_BO **(Required, Key)**	The alternate Item to use in BOM. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
REQUIRED_SUBSTITUTE	If true, then this component must be substituted for the BOM component. [**BOOLEAN**]
VALID_START	The starting date that this alternate is a valid substitute for the BOM component. [**DATE_TIME**]
VALID_END	The ending date that this alternate is a valid substitute for the BOM component. [**DATE_TIME**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ANSI_ACCEPTANCE_PARAMETER

This defines the acceptance parameters used by the pre-defined ANSI sample plans. This is a child table of the ANSI_SAMPLE_SIZE table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ANSI_SAMPLE_SIZE_BO **(Required, Key)**	The pre-defined ANSI sampling plan this parameter belongs to. [**HANDLE**]
ACCEPTANCE_QTY_LIMIT	This is the acceptance quality limit (AQL) for the sampling plan. [**String (40)**]
ACCEPT_NUMBER	This determines the minimum number of ‘accepted’ pieces that are needed for the group to accepted as a whole. [**INTEGER**]

COLUMN	Description/Default
REJECT_NUMBER	This determines the minimum number of 'rejected' pieces that are needed for the group to rejected as a whole. [**INTEGER**]

ANSI_SAMPLE_PLAN

This defines one of the pre-defined ANSI sample plans provided with the system.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
INSPECTION_TYPE **(Required, Key)**	The pre-defined ANSI inspection type. Valid values include: § **General (G)** – The general ANSI sample plan. § **Special (S)** - The special ANSI sample plan. [**String(1)**]
INSPECTION_LEVEL **(Required, Key)**	The pre-defined ANSI inspection level. Valid values include: § **1 (1)** – A level 1 ANSI plan. § **2 (2)** – A level 2 ANSI plan. § **3 (3)** – A level 3 ANSI plan. § **4 (4)** – A level 4 ANSI plan. [**String(1)**]

ANSI_SAMPLE_PLAN_SIZE

This defines one of the pre-defined ANSI sample plan sizes provided with the system.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
CODE_LETTER **(Required, Key)**	The pre-defined ANSI code letter. Valid values range from 'A' to 'R'. [**String(1)**]
SAMPLE_PROCEDURE **(Required, Key)**	The pre-defined ANSI sample procedure. Valid values include: § **Normal (N)** – Sample follows the 'Normal' sampling plan. § **Reduced (R)** – Sample follows the 'Reduced' inspection sampling plan. § **Tightened (T)** – Sample follows the 'Tightened' inspection sampling plan. [**String(1)**]
SAMPLE_SIZE	The sample size to be used for this plan. [**INTEGER**]

ANSI_SAMPLE_SIZE_CODE_LETTER

This defines the various lot size ranges and the sample plan code size to be used for a given lot size. This is a child of the ANSI_SAMPLE_PLAN.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ANSI_SAMPLE_PLAN_BO (**Required, Key**)	The pre-defined sample plan this core letter/range definition applies to. [**HANDLE**]
LOT_SIZE_MINIMUM	The smallest lot size this code letter applies to. [**INTEGER**]
LOT_SIZE_MAXIMUM	The largest lot size this code letter applies to. [**INTEGER**]
CODE_LETTER	The pre-defined ANSI code letter. Valid values range from 'A' to 'R'. [**String(1)**]

APPLICATION_SETTING

This table is used to store various application settings used by SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SETTING **(Required, Key)**	The name of the application setting [**String (128)**]
APPLICATION_SETTING_GROUP_BO	The group this setting belongs in (used to group related settings together). [**HANDLE**]
VALUE	The value for an application setting. [**String (500)**]
DESCRIPTION	The brief description of an application setting. [**String (256)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

APPLICATION_SETTING_GROUP

Defines group of settings. This is used to logically group related settings together.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SETTING_GROUP **(Required, Key)**	The group's ID (name). [**String (26)**]
DESCRIPTION	The brief description of an application setting group. [**String (40)**]
LONG_DESCRIPTION	The long description of an application setting group. [**String (256)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

ARCHIVED_ATTACHMENT

This tracks the attachment of an object (usually Work Instruction or Data Collection) to one or more Manufacturing application objects (Items, Routers, etc), when the attachment object is archived.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ATTACHED_FROM_GBO **(Required, Key)**	The object that is attached to the application objects (via the AttachedBO). This points to a Work Instruction or Data Collection. [**Handle**]
KEY_ID **(Required, Key)**	A unique key ID to make this record unique for a given ATTACHED_FROM_GBO. This is generated internally in SAP ME. [**String (38)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ASSY_DATA_TYPE

This business object defines the core definition of an Assembly Data Type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for which this Assembly Data Type is defined. [**String (6)**]
ASSY_DATA_TYPE **(Required, Key)**	The name for this Assembly Data Type. [**String (20)**]
DESCRIPTION	The Description of the Assembly Data Type. [**String (40)**]

COLUMN	Description/Default
COLLECT_BY_LOT	Flag to indicate if the assembly activities collected the data by lot or not. If false, then assume the Qty To Assemble defaults to 1.0 or the Qty provided by the Inventory ID (SFC). [**BOOLEAN**]
SHOW_LOCATION	This Tag controls whether the Locations field is shown during Assembly Data Collection and if it is required or not. Valid values include: § **Hidden (H)** - The field is hidden (not displayed). § **Optional (O)** - The field is displayed, but the data is optional. § **Required (R)** - The field is displayed and data must be entered. [**String (1)**]
IDENT_TYPE	Determines how the assembler identifies the component he/she is assembling. This controls what he/she enters during the Assembly Point process. Valid values include: § **Component/Revision (C)** - The user enters the component and optionally the revision. § **Inventory ID(SFC) (I)** - The user enters an inventory ID (normally an SFC) to identify the component he/she is assembling. [**String (1)**]
QTY_EDITABLE	If "true", then this QTY field will be editable during assembly. [**BOOLEAN**]
VALIDATION_ACTIVITY_BO	The Validating class for this Data Type. [**ActivityBO**] [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
KIT	Indicates if the assembly data type is kit related. This column is used only after 4.1.1. [**BOOLEAN**]

ASSY_FIELD

This business object defines a Data object within a particular Assembly Data Type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ASSY_DATA_TYPE_BO **(Required, Key)**	The parent objects handle. (AssyDataTypeBO) [**HANDLE**]
SEQUENCE	Controls the order that the fields appear in the Assembly Data collection graphical user interfaces (GUIs). [**INTEGER**]
DATA_FIELD **(Required, Key)**	The tag name for this field. [**String (60)**]
DATA_TAG	The displayable label for this field. [**String (32)**]
IS_BROWSE	If 'true', then this field supports a browse. [**BOOLEAN**]
REQUIRED	Is this field required? [**BOOLEAN**]
BROWSE_ACTIVITY_BO	The object to use for browses on this field (unused in this release). [**ActivityBO**] [**HANDLE**]

ATTACHED

A series of these objects specify what application objects to which an AttachedBO is attached.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ATTACHMENT_BO **(Required, Key)**	The parent AttachmentBO for this attached application object. [**HANDLE**]
ATTACHMENT_SET **(Required, Key)**	Defines a group of AttachedBOs that make up a unique attachment. All AttachedBOs with the same AttachmentBO and Set are used to find attachments that apply during the findAttachment() method. [**SEQUENCE**]
KEY_ID **(Required, Key)**	Defines a unique ID for this record in the attachment set. [**SEQUENCE**]

COLUMN	Description/Default
ATTACHMENT_TYPE	Specifies if this is a data collection or work instruction attachment. [**String (1)**]
ATTACHED_TO_GBO	The application object attached to the AttachGBO (work instructions or data collection). [**HANDLE**]
COUNT_TOTAL	The total number of AttachedBOs for the parent AttachmentBO (e.g. the 10 in "5 of 10" attached objects). This is used to speed up the find() method.This value is calculated by the AttachmentBO. [**SEQUENCE**]
ITEM	The item this attachment is associated with (used only to optimize queries). [**String (128)**]
OPERATION	The operation this attachment is associated with (used only to optimize queries). [**String (36)**]

ATTACHMENT

This controls the attachment of an object (usually Work Instruction or Data Collection) to one or more SAP ME application objects (Items, Routers, etc).

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for this attachment. [**String (6)**]
ATTACHED_FROM_GBO **(Required, Key)**	The object that is attached to the application objects (via the AttachedBO). This points to a WorkInstructionBO, DataCollectionBO, etc . [**HANDLE**] [**WorkInstructionBO, SamplePlan, DCGroup, Buyoff, ToolGroup, Set Point Group**]
SEQUENCE **(Required, Key)**	This is used to make a unique key for the AttachmentBO. [**INTEGER**]
KEY_ID	A unique key ID to make this record unique for a given ATTACHED_FROM_GBO. [**SEQUENCE**]

COLUMN	Description/Default
QTY_REQ	Defines how many of the attached objects are required. Usually applies to Tools (specifies how many tools are needed). [**INTEGER**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ATTENDANCE_LOG

This business object defines the Attendance Log Object. This table will be used for Time and Attendance reporting.

Note: Entries in this table are non-unique. No validation is done on these entries.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle of this object. [**HANDLE**]
SITE **(Required, Key)**	The record's site. [**String (6)**]
LABOR_ACTIVITY	The activity for this record. Valid values include: § Clock In (CLK_IN) - Clock In. § Clock Out (CLK_OUT) - Clock Out. § **Sup In (SUP_IN)** - Supervisory Clock In. § **Sup Out (SUP_OUT)** - Supervisory Clock Out. § **Change User LCC (CHG_U_LCC)** - Change User Labor Charge Code. [**String (10)**]
USER_BO **(Required, Key)**	The user. [**HANDLE**]
SUP_BO	The supervisor who clocked the user in/out. Required if LABOR_ACTIVITY is either Sup In or Sup Out. UserBOHandle. [**HANDLE**]

COLUMN	Description/Default
DATE_TIME	The actual clock in/out time of a user or the time the user's LCC was changed. (This value should be passed in from GUI at actual button click time.) **Note**: To determine the time that a supervisor performed the SUP_IN or SUP_OUT, the CREATION_DATE field would be used. [**DATE_TIME**]
CLOCK_TYPE	Indicates how clock in/out was performed. Not used for other labor activities. Required if LABOR_ACTIVITY is CLK_IN or CLK_OUT. Valid values include: § **Automatic (A)** - Automatic clock in/out. § **Manual (M)** - Manual clock in/out. § **System (S)** - System clock in/out. [**String (1)**]
LCC_BO	The User's current default labor charge code. [**HANDLE**]
SHIFT_BO	The User's clock in shift. [**HANDLE**]
COST_CENTER_BO	The Cost Center this user belongs to at Clock-In time. Required if LABOR_ACTIVITY is CLK_IN or SUP_IN. [**HANDLE**]
DEPARTMENT	The user's department for a shift. [**String (40)**]
LABOR_ASSIGNMENT	Designates whether labor time is to be logged to the actual day that it occurs, the shift start day, or the shift end day. Required if LABOR_ACTIVITY is CLK_IN or SUP_IN. Exact copy from Shift definition used. Valid values include: § **Actual (A)** - Actual Day. § **Start (S)** - Shift Start Day. § **End (E)** - Shift End Day. [**String (1)**]
SHIFT_BEGIN	Time Component. Beginning time of this shift. Required if LABOR_ACTIVITY is CLK_IN or SUP_IN. [**INTEGER**]
SHIFT_END	Time Component. Ending time of this shift. Required if LABOR_ACTIVITY is CLK_IN or SUP_IN. [**INTEGER**]
TIMEZONE_OFFSET	The time zone used by the client logging this message. Used in rollup for calculation of out of shift and labor date. Needed to change database time of labor time collection data to match with shift begin and end. If this field is not filled in, then the server time zone will be used for calculations. Optional field. [**INTEGER**]

COLUMN	Description/Default
VOID	Indicates if this record is no longer current. Use for the case of Time Edit. Not used in this release. [**BOOLEAN**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

BACKGROUND_PROCESS

Defines background processes that are run periodically in the background.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CLASS_NAME	The class to execute. Must implement the new interface BatchProcessInterface. [**String (256)**]
CURRENT_RUN_ID	This is a unique ID to identify the currently running process. If null, then the process is not running. [**String (256)**]
DESCRIPTION	The process name (as displayed in the GUI). [**String (40)**]
ENABLED	If "true", then this process execution is enabled. [**BOOLEAN**]
LAST_RUN_DATE_TIME	The date/time the process was last run. [**DATE_TIME**]
LAST_RUN_RESULT	The results of the last run (empty if no error found or the exception). [**String (4000)**]
MINUTE_INTERVAL	If the RUN_FREQUENCY is 'Every x Minutes', then the number of minutes in the interval will be stored in this column. [**INTEGER**]
PROCESS_NAME	A unique process name. [**String (40)**]

COLUMN	Description/Default
RUN_FREQUENCY	Determines how often the program is run. Valid values include: § **Every x Minutes (M)** - Run once X minutes. § **Daily (D)** - Run once per day (after the given time of day). § **Hourly (H)** - Run every hour (at minute 00). § **Weekly (0..7)** - Run every week on the given day at the given time. The day of the week is listed as 0 to 7 (based on locale-specific calendar). 1-Sunday, 2-Monday, 3-Tuesday, 4-Wednesday, 5-Thursday, 6-Friday, 7-Saturday. [**String (1)**]
START_TIME_IN_SEC	The time to run the process (only used for Day and Week options). Standard 24-hour time format HH:MM (no seconds). Will be stored as number of seconds since midnight. [**INTEGER**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last edited. [**DATE_TIME**]

BOM

This business object is a maintenance object that provides the primary application interface for BOM information. The BOM object has references to second-class objects that represent status, unit-of-measure, and the BOM components. It contains BOM header information as well as a set of BOM Components.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
BOM **(Required, Key)**	The ID this BOM is known by. [**String (128)**]

COLUMN	Description/Default
BOM_TYPE **(Required, Key)**	Indicates if the BOM is a User BOM (defined and maintained by a user for an Item/ShopOrder) or a runtime BOM that is defined for only a ShopOrder or SFC. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. § **Configurable (C) –** Configurable BOM. [**String (1)**]
REVISION **(Required, Key)**	The BOM's revision. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision of this BOM. [**BOOLEAN**]
EFF_START_DATE	The Effectivity Start Date (unused in this release). [**DATE_TIME**]
EFF_END_DATE	The Effectivity End Date (unused in this release). [**DATE_TIME**]
DESCRIPTION	The BOM's description. [**String (40)**]
TMP_BOM	Unused in this release. [**BOOLEAN**]
STATUS_BO	The status of this BOM. Status provided by the Product Definition Status Group. [**HANDLE**] (Expanded Archive Columns: **STATUS_SITE, STATUS**)
COPIED_FROM_BOM_BO	The BOM this BOM was copied from (for genealogy purposes). [**BOMBO**] [**HANDLE**] (Expanded Archive Columns: **COPIED_FROM_BOM_SITE, COPIED_FROM_BOM, COPIED_FROM_BOM_TYPE, COPIED_FROM_BOM_REVISION**)
HAS_BEEN_RELEASED	Indicates if any SFCs have been released on this BOM. BOM may not be edited if "true". [**BOOLEAN**]
BOM_TEMPLATE	'true' if this BOM is a template or not. [**BOOLEAN**]
ERP_BILL_OF_MATERIAL	The name of this BOM as it is known in ERP. [**String(128)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

COLUMN	Description/Default
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)
EFFECTIVITY_CONTROL	Not used in this release. [**String (1)**] (Expanded Archive Columns: **EFFECTIVITY_CONTROL**)

BOM_COMPONENT

This business object provides all information about a BOM component and includes information such as the component (item) identifier, revision, quantity to assemble as well as other attributes documented above in the Server Object Design. This object may contain a set of BOMOperation objects that describe specific details about assembly of this component at specific operations. Also, the assembly details are delegated to a basic data structure object, BOMAssyDetail.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
BOM_BO **(Required, Key)**	Parent BOM ID. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the component is displayed relative to other BOM components. [**INTEGER**]
COMPONENT_GBO **(Required, Key)**	Item to use as a Component in the BOM. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SITE, COMPONENT_ITEM, COMPONENT_REVISION**)

COLUMN	Description/Default
BOM_COMPONENT_TYPE	The type of component this record represents. Valid values include: § **Normal BOM component (N)** – A normal component that is consumed into the assembly. § **Test BOM component (T)** – A test component is traditionally removed from the assembly before shipment. § **Phantom BOM component (P)** – The component is assembled into the parent, but it is considered a phantom component. The phantom parent is specified using the PARENT_SEQUENCE column. § **Co-Product BOM component (C)** – The component is a co-product of this assembly. This follows the normal ERP meaning for a co-product. This is not used in SAP ME 6.0. § **By-product BOM component (B)** - The component is a by-product of this assembly. This follows the normal ERP meaning for a by-product. This is not used in SAP ME 6.0. [**String(1)**]
ENABLED	True if this component is required on this BOM. [**BOOLEAN**]
PARENT_SEQUENCE	If this is a phantom BOM component, then this is the sequence for the component's parent. [**INTEGER**]
VALID_START	The starting date that this component is required on the BOM. [**DATE_TIME**]
VALID_END	The ending date that this component is required on the BOM. [**DATE_TIME**]
QTY	The number of pieces in the bill. [**QTY**]
USE_ITEM_DEFAULTS	If true, then the item alternates will be used for this component instead of BOM Component alternates. [**BOOLEAN**]
PRE_ASSEMBLED	If true, then this component is assumed to be preassembled and requires no specific assembly point. It may be processed later using configuration maintenance. [**BOOLEAN**]
ASSY_DATA_TYPE_BO	The type of information to be collected when this item is assembled. Valid type comes from Assembly Data Type. [**HANDLE**] (Expanded Archive Columns: **ASSY_DATA_TYPE_SITE, ASSY_DATA_TYPE**)
BOM_TEMPLATE	If this component is generated by expanding (or flattening) a Template, then the name of the original Template BOM goes here. [**BOOLEAN**]

COLUMN	Description/Default
DISASSEMBLE_OPERATION_BO	The operation this test part is expected to be removed from. [**HANDLE**] (Expanded Archive Columns: **DISASSEMBLE_OPERATION_SITE, DISASSEMBLE_OPERATION, DISASSEMBLE_OPERATION_REV**)
CREATE_TRACKABLE_SFC	If 'Y', then this component can become a trackable SFC. [**BOOLEAN**]
MAXIMUM_USAGE	The maximum number of times this component may be used. [**INTEGER**]
MAXIMUM_NC	The maximum number of times that an NC can be logged against this BOM component/ref des for a given SFC. [**INTEGER**]
ASSEMBLE_AS_REQ	This flag used to denote if qty of this component is consumed as required. If the flag is true, quantity of this component is not tracked. [**BOOLEAN**]
AUTO_CONSUME_KIT	This field is not used in SAP ME. [**BOOLEAN**]
ERP_CHANGE_NUMBER	This ERP Change Number used for this component record. [**String(12)**]
ORDER_ITEM_NUMBER	The item number within the ERP Order for this component. [**String(4)**]
ERP_SEQUENCE	BOM Component Sequence in ERP. [**INTEGER**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

BOM_COMP_SEL_RULE

This business object provides information about selection rules associated with a BOM component. These are typically provided by ERP.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
BOM_COMPONENT_BO **(Required, Key)**	Handle to the parent component record. [**HANDLE**]

COLUMN	Description/Default
SELECT_RULE	The selection rule associated with the BOM component. [**String(30)**]
DESCRIPTION	The description of the selection rule. [**String(30)**]
RULE_GROUP	The group the selection rule is in. [**String(10)**]

BOM_CONFIRM_OPERATION

This table is no longer used in SAP ME.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
BOM_COMPONENT_BO **(Required, Key)**	Handle to the parent record. [**HANDLE**]
ITEM_BO **(Required, Key)**	Handle to the Item mapped from a component on the Kit's BOM. [**HANDLE**]
CONFIRM_OPERATION_BO **(Required, Key)**	Handle to the referenced Operation for Confirmation. Note: no special processing for Site2Site is needed for this field. Like all operations in the BOM, any referenced operation will be required to exist. This is default Site2Site behavior so no code is required. [**HANDLE**]

BOM_MASTER

BOMBO extends RevisionableEBO, which creates an auxiliary table called BOM_MASTER. This table defines master data for a revision family of BOMBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the BOM revision family. [**String (6)**]
BOM **(Required, Key)**	The name/id of the BOM revision family. [**String (128)**]
BOM_TYPE **(Required, Key)**	The BOM type of the BOM revision family. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**String (1)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the BOM revision family. [**String (1)**]

BOM_OPERATION

This business object provides specific information about an operation at which a BOM component can be assembled. In particular, it contains the operation and quantity to assemble. It also may contain a set of BOMRefDes objects that define reference designator data.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
OPERATION_BO **(Required, Key)**	The operation at which the component is assembled. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
QTY	The number of pieces to assemble.
BOM_COMPONENT_BO **(Required, Key)**	The BOMComponent this Operation is part of. [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

BOM_REF_DES

This business object provides specific information about a reference designator, at an operation at which a BOM component can be assembled. In particular, it contains the reference designator ID and quantity to assemble.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
REF_DES **(Required, Key)**	The reference designator(s) where this component should be assembled. [**String (36)**]
QTY	The number of pieces to assemble at this Ref Des. [**QTY**]
BOM_REF_DES_PARENT_GBO **(Required, Key)**	The BOMComponentBO or BOMOperationBO this Ref Des is part of. [**HANDLE**] [**BOMComponentBO, BOMOperationBO**]
SEQUENCE **(Required, Key)**	Unique Identifier. Each Ref Des will get a unique Sequence number. [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ERP_REF_DES_SEQUENCE	Reference designator sequence in ERP [**INTEGER**]

BROWSE_DEF

This is the definition of a browse. This defines specific browse configuration for a specific GUI activity.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
SITE **(Required, Key)**	The site the browse belongs to. **[String (6)]**
BROWSE_OBJECT_BO **(Required, Key)**	The handle of browse object. This points to a record in BrowseObject table such as Shop Order or BOM. **[String (412)]**
ACTIVITY_BO **(Required, Key)**	The handle of the GUI activity this browse is used for. **[String (412)]**

COLUMN	Description/Default
DESCRIPTION	The browse's description. If it is not null, the browse will use it for page title. **[String (40)]**
BROWSE_TYPE	For each browse, there are two browse types: **S** - Standard browse. **Q** - Quick browse Different browses behave differently when users click the browse button and open a browse. **[String (8)]**
IMMEDIATE_SEARCH	If true, then the search will be triggered when the browse is first opened. **[Boolean]**
LIST_CONFIG_BO	The handle of List configuration that configures the columns displayed in the browse results. **[String (412)]**
CREATED_DATE_TIME	The date/time this record was created. **[Date]**
MODIFIED_DATE_TIME	The date/time this record was last updated. **[Date]**

BROWSE_DEF_FIELD

The real fields used for the browse as configured. These are originally defined in the BROWSE_FIELD table and used within Browse Maintenance when associated with a specific BORWSE_DEF record.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
BROWSE_DEF_BO **(Required, Key)**	The handle of browse definition. [**Handle**]
FIELD_NAME **(Required, Key)**	The browse field name. It identifies a field exclusively. The real name will be identified by RAW_NAME **[String (64)]**

COLUMN	Description/Default
LABEL	The label of the browse field. **[String (80)]**
RAW_NAME	The real name in database table. It will appear in final SQL statement as real select field. **[String (412)]**
TABLE_NAME **(Required, Key)**	Table the field is found in. It will be used in where condition of SQL statement. **[String (64)]**
DATA_TYPE **(Required, Key)**	Not used. **[String (20)]**
CONTROL_TYPE	Identify the control type that the field appears as search field in browse window. It supports the following type: **TEXT** - Input text field **SELECT** - drop down list. The specific definition of drop down list will be defined in VALUE_PATTERN **BROWSE** - browse control. Browse support browse in browse. The specific definition will be defined in VALUE_PATTERN **CHECKBOX** - check box **STATUS** - The browse status control. It's a special drop down list. The status values will be defined in BROWSE_DEF_STATUS **DATETIME** - The date/time control to select a date and time. **DATETIME_RANGE** - The date/time control to select a range of date time. **[String (20)]**
IS_SEARCH_FIELD	Indicate whether it's a search field. If true, this field appears as a search field in browse window. **[Boolean]**
SEARCH_ORDER	The search order. If it's a search field, then it will determine the search field display order in browse window and affect the search field layout. **[Integer]**
SORT_VALUE	The sort direction. It supports two values: **ASC** - ascending sort the result set by this field **DESC** - descending sort the result set by this field **[String (4)]**
VALUE_PATTERN	Additional information for BROWSE_FIELD. **[String (2048)]**

COLUMN	Description/Default
DEFAULT_VALUE	The default value for this field. If the Browse Field is SELECT/STATUS, NULL means the default value is 'ALL'. **[String (412)]**
IS_PRIMARY	Identify whether it's a primary field. This is used in the SQL query creation. **[String (5)]**
DB_TYPE	The DB type the field is based on. It supports the following values: **HDB** - HANA database **SQLSERVER** - Microsoft SQL Server database **ORACLE** - oracle database **ALL** - support MSSQL and ORACLE **[String (10)]**
CUSTOMIZED	If true, it cannot be deleted or updated, but only initialized from IDAT file. **[Boolean]**

BROWSE_DEF_STATUS

The real use status table when open a browse in activity. It will be used for:

A. Define the activity browse status scope
B. Define the activity browse status group.
C. Define the status selection value for status drop down list
D. It does not need to be initialized in IDAT file.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
BROWSE_DEF_BO **(Required, Key)**	The handle of browse definition (BROWSE_DEF table). **[Handle]**
SEQUENCE	The status sequence which determines the display sequence in status drop down list. **[Integer]**

COLUMN	Description/Default
STATUS_BO **(Required, Key)**	The handle of status which the browse definition status has. (STATUS table) **[Handle]**
STATUS_GROUP_NAME	The customized status group name. It represents set of status group. **[String (40)]**

BROWSE_ENGINE_RULE

The browse engine rule is used to generate SQL browse statements dynamically in runtime environment.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ACTIVITY_BO	The handle of the GUI activity this browse is used for. **[Handle]**
BROWSE_OBJECT_BO **(Required, Key)**	The browse object that this rule belongs to. **[String (412)]**
NAME **(Required, Key)**	The name of the rule. **[String (40)]**
RULE_TYPE	The rule type. **[String (40)]**
TABLE_A	The table name that FIELD_A locates. **[String (64)]**
FIELD_A	Field name A **[String (512)]**
TABLE_B	The table name that FIELD_B locates. **[String (64)]**
FIELD_B	Field name B **[String (512)]**

COLUMN	Description/Default
OPERATOR	The operator. Which can be the following values: NULL LIKE = <> >> < >= <= **[String (10)]**
VALUE_PATTERN	The value pattern. **[String (2048)]**
CRITERIA	Some logical expressions. The condition can be invoked in runtime environment. If condition is true, then activate the rule. Otherwise, disable the rule. **[String [2048]]**
DB_TYPE **(Required, Key)**	Supported Database: **HDB** - HANA database **SQLSERVER** **ORACLE** **ALL** (Both SQLSERVER and Oracle) **[String (10)]**
SEQUENCE	Controls the sequence of the SQL generated. **[Integer]**

BROWSE_FIELD

This defines the master list of available browse fields.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]

COLUMN	Description/Default
BROWSE_OBJECT_BO **(Required, Key)**	The handle of browse object (BROWSE_OBECT table). **[String (412)]**
FIELD_NAME **(Required, Key)**	The browse field name. It identifies a field exclusively. The real name will be identified by RAW_NAME **[String (64)]**
LABEL	The label of the browse field. **[String (80)]**
RAW_NAME	The real name in database table. It will appear in final SQL statement as real select field. **[String (412)]**
TABLE_NAME **(Required, Key)**	Table the field is found in. It will be used in where condition of SQL statement. **[String (64)]**
DATA_TYPE	Not used. **[String (20)]**
CONTROL_TYPE	Identify the control type that the field appears as search field in browse window. It supports the following type: **TEXT** - Input text field **SELECT** - drop down list. The specific definition of drop down list will be defined in VALUE_PATTERN **BROWSE** - browse control. Browse support browse in browse. The specific definition will be defined in VALUE_PATTERN **CHECKBOX** - check box **STATUS** - The browse status control. It's a special drop down list. The status values will be defined in BROWSE_DEF_STATUS **DATETIME** - The date/time control to select a date and time. **DATETIME_RANGE** - The date/time control to select a range of date time. **[String (20)]**
IS_SEARCH_FIELD	Indicate whether it's a search field. If true, this field appears as a search field in browse window. **[Boolean]**
SEARCH_ORDER	The search order. If it's a search field, then it will determine the search field display order in browse window and affect the search field layout. **[Integer]**

COLUMN	Description/Default
SORT_VALUE	The sort direction. It supports two values: **ASC** - ascending sort the result set by this field **DESC** - descending sort the result set by this field **[String (4)]**
VALUE_PATTERN	Additional information for BROWSE_FIELD. **[String (2048)]**
DEFAULT_VALUE	The default value for this field. If the Browse Field is SELECT/STATUS, NULL means the default value is 'ALL'. **[String (412)]**
DB_TYPE **(Required, Key)**	The DB type the field is based on. It supports the following values: **HDB** - HANA database **SQLSERVER** - Microsoft SQL Server database **ORACLE** - oracle database **ALL** - support MSSQL and ORACLE **[String (10)]**
IS_PRIMARY	Identify whether it's a primary field. This is used in the SQL query creation. **[String (5)]**

BROWSE_OBJECT

Identifies an object than can be browsed. For example, shop order or BOM.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
BROWSE_OBJECT **(Required, Key)**	Browse object id which is to identify a browse object. **[String (36)]**

COLUMN	Description/Default
BROWSE_NAME	The browse name, which is used to store the BROWSE_IDs of Text Field control in UI. In this way it can keep the compatible and self-adapt for old browse. If this id is missing from here, then the browse will keep the old behavior. **[String (512)]**
DESCRIPTION	The description of this browse object. **[String (40)]**
STATUS_GROUP	The status set which the browse object will be used. This STATUS_GROUP will connect to STATUS_GROUP field of table STATUS. **[String (18)]**
ATTRIBUTE	ListModified: true means that the result list can be modified. ListModified: false means the customizing of result list is not supported. PrimaryId: set which column is needed in the result list. **[String (2048)]**

BUYOFF

Defines the Buyoff needed at specific points in the process for processing to continue. These are normally used for quality inspections performed by other inspectors. Buyoff are normally accepted to let the SFC continue to the next step.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	The site for this record. [**String (6)**]
BUYOFF **(Required, Key)**	The name for this Buyoff. [**String (36)**]
REVISION	The revision of this BUYOFF. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision. [**BOOLEAN**]

COLUMN	Description/Default
STATUS_BO	The status of this Buyoff. The status is provided by the Product Definition Status Group. [**HANDLE**]
DESCRIPTION	The Buyoff's description. [**String (40)**]
PARTIAL_ALLOWED	If true, then partial buyoffs are allowed. Some part of the work can be partially bought-off. [**BOOLEAN**]
SKIP_ALLOWED	If true, then the user may skip this buyoff. [**BOOLEAN**]
REJECT_ALLOWED	If true, then the user may reject this buyoff. [**BOOLEAN**]
MESSAGE_TYPE_BO	The message generated when this buyoff is requested. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

BUYOFF_LOG

This table logs the buyoff actions performed against an SFC. This includes actions such as Accept, Reject, Skip, Partial, etc.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
BUYOFF_BO **(Required, Key)**	The Buyoff associated with this log entry. [**HANDLE**] (Expanded Archive Columns: **BUYOFF_SITE, BUYOFF, BUYOFF_REVISION**)
SFC_BO **(Required, Key)**	The SFC this buyoff action was logged against. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
BUYOFF_LOG_ID **(Required, Key)**	A unique ID for the buyoff log record. [**INTEGER**]
STEP_ID	The id of the step on the router at which the buyoff was logged. [**String (6)**]

COLUMN	Description/Default
BUYOFF_ACTION	The buyoff action performed by the user for this log entry. Valid values include: § **Approved (A)** - Buyoff was approved. § **Reject (R)** - Buyoff was rejected. § **Partial (P)** - Buyoff was partially approved. § **Skip (S)** - Buyoff was skipped. § **Re-Open (O)** - Buyoff was re-opened. [**String (1)**]
COMMENTS	The buyoff comments entered by the user. [**String (2048)**]
STATE	The current state of this Buyoff record. Valid values include: § **Open (O)** - The buyoff is currently open. § **Closed (C)** - The buyoff is currently closed. § **Pending (P)** - The buyoff is pending some other action in SAP ME. [**String (1)**]
OPERATION_BO	The operation this buyoff was logged at. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
USER_BO	The user that logged this buyoff log record. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
ITEM_BO	The Item that this buyoff was logged for. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
ROUTER_BO	The router the SFC was on when this buyoff was logged. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_TYPE, ROUTER_REVISION**)
SHOP_ORDER_BO	The shop order the SFC was on when this buyoff was logged. [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_SITE, SHOP_ORDER**)
CUSTOMER_ORDER_BO	The customer order the SFC was on when this buyoff was logged. [**HANDLE**] (Expanded Archive Columns: **CUSTOMER_ORDER_SITE, CUSTOMER_ORDER**)
PROCESS_LOT_BO	The process lot the SFC was in when this buyoff was logged. [**HANDLE**] (Expanded Archive Columns: **PROCESS_LOT_SITE, PROCESS_LOT**)
RESOURCE_BO	The resource the SFC was in work at when this buyoff was logged. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESRCE**)
DATE_TIME	The date/time this buyoff log record was recorded. [**DATE_TIME**]

BUYOFF_LOG_NC_DATA

The table contains a link between BUYOFF_LOG records an NC_DATA records. These are created when the buyoff is rejectwd and an NC_DATA record is created at the same time. This happens in the Rich POD's Reject activity.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
BUYOFF_LOG_BO **(Required, Key)**	The BUYOFF_LOG record associated with the NC_DATA record. [**HANDLE**]
NC_DATA_BO **(Required, Key)**	The NC_DATA record associated with the BUYOFF_LOG record. [**HANDLE**]

BUYOFF_MASTER

BuyoffBO extends RevisionableEBO, which creates an auxiliary table called BUYOFF_MASTER. This table defines master data for a revision family of BuyoffBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Buyoff revision family. [**String (6)**]
BUYOFF **(Required, Key)**	The name/id of the Buyoff revision family. [**String (36)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Buyoff revision family. [**String (1)**]

CARRIER TYPE

This business object defines a Carrier Type in SAP ME. A carrier type defines the layout and validation type for a carrier.

Archived: No

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
CARRIER_TYPE **(Required, Key)**	The carrier type ID. [**String (128)**]
DESCRIPTION	The carrier type's description. [**String (40)**]
CAPACITY	The capacity of a carrier, it must less than the number of rows number multiply columns number [**Integer]**
ROW_SIZE	The number of rows in the carrier. [Integer**]**
COLUMN_SIZE	The number of columns in the carrier. [**Integer]**
SEQUENCE_PRIORITY	Not used. [**String(50)]**
CATEGORY	Carrier special category. Valid Value: · Production = P · Handling Unit = H Default value = P **[String(1)]**
CREATED_DATE_TIME	The date/time this record was created. [DATE_TIME]
MODIFIED_DATE_TIME	The date/time this record was last updated. [DATE_TIME]

CARRIER_TYPE_VALIDATION

This business object defines a Carrier Type validation type in SAP ME. Validation type determines only an SFC that belongs to the specified material or material group can be added into a carrier.

Archived: No

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
CARRIER_TYPE_BO	The carrier type handle. [**Handle]**
SEQUENCE	The validation type 's sequence. [**Integer]**
ITEM_OR_GROUP_GBO	The Item or Item Group handle which the validation type will be defined for [**Handle]**

CERTIFICATION

This business object defines a basic certification object. Certifications will be defined and assigned to Users and UserGroups. In addition objects will be assigned Certifications within the context of a UserGroup. For a Production Activity on any of the tagged objects the relevant Certification checks are applied.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site the object is defined for. [**String (6)**]
CERTIFICATION **(Required, Key)**	The Certification ID. [**String (16)**]
DESCRIPTION	The description of the certification. [**String (40)**]
RENEWAL_DAYS	The number of days for which this certification normally is valid. This is used to set the default expiration when giving this certification to users. If 0, then no default expiration is set. [**INTEGER**]
WARNING_DAYS	The number of days before certification expiration to warn users. If 0, then no warning is issued. [**INTEGER**]
WARNING_ALARM_BO	The Alarm/Event sent as a warning. (Unused in this release) [**AlarmBO**] [**HANDLE**]

COLUMN	Description/Default
EXPIRATION_ALARM_BO	The Alarm/Event sent when a certification expires. (Unused in this release). [**AlarmBO**] [**HANDLE**]
CERTIFICATION_TYPE_BO	The Certification's Type handle. [**HANDLE**]
DURATION_TYPE	Duration of certification. Valid values include: § **Permanent (P)** - Permanent Certification. § **Temporary (T)** - Temporary Certification. [**String (1)**]
DURATION	The duration for which the certificate is valid. [**INTEGER**]
DURATION_UNITS	The unit of measure for the duration. Month(M) Day(D) Week(W) . Valid values include: § **Month (M)** - Month. § **Day (D)** - Day. § **Week (W)** - Week. § **Year (Y)** - Year. [**String (1)**]
STATUS_BO	The handle to the corresponding status. [**HANDLE**]
NUM_OF_EXTENSIONS	The number of extensions allowed for the certificate. [**INTEGER**]
MAX_EXTENSION_DURATION	The number of extensions allowed. [**INTEGER**]
EXTENSION_UNITS	The unit of measure for the duration. Month(M) Day(D) Week(W). Valid values include: § **Month (M)** - Month. § **Day (D)** - Day. § Week (W) - Week § Year (Y) - Year [**String (1)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

CERTIFICATION_REQUIREMENT

This business object defines the Certifications required for working on the SAP ME entities. These include Item, Operation, Resource, CustomerOrder and are within the context of a UserGroup.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CERTIFICATION_BO **(Required, Key)**	The Certification's handle. [**HANDLE**]
USER_GROUP_BO **(Required, Key)**	The parent User Group's handle. [**HANDLE**]
CERTIFIED_OBJECT_GBO **(Required, Key)**	The Object for which the certificates are assigned. This can be an Item, Operation, Resource, ShopOrder, CustomerOrder. [**HANDLE**] [**ItemBO, OperationBO, CustomerOrderBO, ResourceBO**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CERTIFICATION_TYPE

This is used for grouping a related set of Certificates.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site the object is defined for. [**String (6)**]
CERTIFICATION_TYPE **(Required, Key)**	The CertificationType ID. [**String (40)**]
DESCRIPTION	The description of the certification type. [**String (40)**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CNC_ATTACHED

This defines the attachment points where a CNC program is attached.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CNC_PROGRAM_BO	Foreign Key to CNC_PROGRAM handle. [**HANDLE**]
SEQUENCE	The sequence number. [**INTEGER**]
IS_ENABLED	Denotes if this attachment is enabled. [**BOOLEAN**]
ITEM_BO	The handle of the item, the CNC Program is attached to. [**HANDLE**]
ROUTER_BO	The handle of the route, the CNC Program is attached to. [**HANDLE**]
STEP_ID	The router step id, the CNC Program is attached to. [**String (6)**]
OPERATION_BO	The handle of the operation, the CNC Program is attached to. [**HANDLE**]
RESOURCE_BO	The handle of the resource, the CNC Program is attached to. [**HANDLE**]

CNC_PROGRAM

This defines a CNC Program.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site this CNC Program is defined in. [**String (6)**]
PROGRAM_ID **(Required, Key)**	The id of this CNC Program. [**String (412)**]
PROGRAM_REFERENCE_FILE	Full path to the file that will be passed to CNC system in Load activity. [**String (412)**]
DESCRIPTION	Description of this CNC Program. [**String (40)**]
DISPLAY_DESCRIPTION	Flag to display CNC Program Description in the POD CNC Selection List. [**BOOLEAN**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CNC_PROGRAM_LOG

Each record in this table is added when some Program on any attachment point was loaded into CNC system. The attachment point record is referenced in the CNC_ATTACHED_BO column; the flag IS_LOADED has "TRUE" value until the program is loaded in CNC system. When the program is unloaded from CNC, the flag IS_LOADED is going to be change on "FALSE" value. The attributes LOADED_DATE_TIME and UNLOADED_DATE_TIME have are keeping the time value when the program was loaded/unloaded from CNC. When the same program was loaded one more time, the new record is going to be added in CNC_PROGRAM_LOG table.

The attribute PROGRAM_REFERENCE_FILE is duplicated in this table in spite of the fact that developer can take this value from CNC_PROGRAM table, because we need to log each program file that was passed to CNC (User can change PROGRAM_REFERENCE_FILE attribute for the program in CNC Program Maintenance, but we will keep the real program file name that was passed to CNC system).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site at which this logging is taking place. [**String (6)**]
CNC_PROGRAM_BO	The handle of the CNC Prgram for which this logging is taking place. [**HANDLE**]
CNC_MACHINE	The CNC Machine for which this logging is taking place. [**String (412)**]
PROGRAM_REFERENCE_FILE	The CNC Program file for which this logging is taking place. [**String (412)**]
IS_LOADED	Flag to denote if a CNC Program is loaded or not when this logging happens. [**BOOLEAN**]
LOADED_DATE_TIME	The date/time at which CNC Program is loaded. [**DATE_TIME**]
UNLOADED_DATE_TIME	The date/time at which CNC Program is unloaded. [**DATE_TIME**]

COLLABORATION_DEFINITION

The available actions and directive groups for each site.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site this directive is defined for. [**String (6)**]
NAME **(Required, Key)**	The name of this definition. [**String (40)**]
TYPE **(Required, Key)**	Determines if this record is for an action or a directive group. Valid values include: § **Action (A)** - Action. § **Directive Group (G)** - Directive Group. [**String (1)**]

COLUMN	Description/Default
DESCRIPTION	The full description of this action. [**String (128)**]
SEQUENCED	Determines if sequencing is applied to this action or group. Valid values include: § **No (N)** - No. § **Yes (Y)** - Yes. [**String (1)**]
STOP_SEQ_ON_ERROR	Determines if sequencing should be stopped when an error occurs. Valid values include: § **Yes (Y)** - Yes. § **No (N)** - No. [**String (1)**]
ENABLED	Determines if this directive is enabled or disabled. Valid values include: § **No (N)** - No. § **Yes (Y)** - Yes. [**String (1)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

COLLABORATION_DIRECTIVE

Defines a single action that takes place as a result of a collaboration message.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE	The site this directive is defined for. [**String (6)**]
DIRECTIVE	The name of this directive. [**String (40)**]
DESCRIPTION	The directive description. [**String (128)**]

COLUMN	Description/Default
ENABLED	Yes (Y) if this directive is enabled for use; No (N) otherwise. Valid values include: § **Yes (Y)** - Yes. § **No (N)** - No. [**String (1)**]
DATA_ACQ_ACTIVITY_BO	Activity that provides mapping to the data acquisition plug-in. [**HANDLE**]
DATA_ACQ_PARAMETERS	Parameters to the Data Acquisition plug-in. [**String (256)**]
FORMATTING_ACTIVITY_BO	Activity that provides mapping to the formatting plug-in. [**HANDLE**]
FORMATTING_PARAMETERS	Parameters to the formatting plug-in. [**String (256)**]
TRANSPORT_ACTIVITY_BO	Activity that provides mapping to the transport plug-in. [**HANDLE**]
TRANSPORT_PARAMETERS	Parameters to the transport plug-in. [**String (1024)**]
ACTIVATION_LOG_SETTINGS	Determines how much if any logging is done. Valid values include: § **None (N)** - No logging is done for this directive. § **Basic (B)** - Logging is done with the information for directive name, action name, date/time of processing. § **Details (D)** - Everything in the basic with the addition of the action base data and the previous directive data. [**String (1)**]
ACTIVATION_EVENT_ENABLE	"true" if a defined event should be triggered upon activation of this directive. [**BOOLEAN**]
ACTIVATION_EVENT_BO	Event to be triggered upon activation. [**HANDLE**]
ACTIVATION_LOG_SETTING	Controls how logging is handled. Valid values include: § **None (N)** - None. § **Basic (B)** - Basic logging. § **Details (D)** - Detailed logging. [**String (1)**]
ERROR_EVENT_ENABLE	"true" if a defined event should be triggered upon an error in this directive. [**BOOLEAN**]
ERROR_EVENT_BO	Event to be triggered upon an error. [**HANDLE**]

COLUMN	Description/Default
ERROR_LOG_ENABLE	True if an error message should be written to the Collaboration Log upon an error in this directive. [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]
CALLBACK_ACTIVITY_BO	Optionally can store a handle to the activity of type "Collaboration Callback plug-in". This plug-in is triggered after the collaboration transport plug-in and the main purpose for having it, is to facilitate reusability of components that process responses from remote systems. This field is not required. [**HANDLE**]
CALLBACK_PARAMETERS	Optional parameters for the callback plug-in. [**String (256)**]
ENABLE_SYNCH_PROCESSING	If set to "true", the collaboration directive will be executed synchronously, with ability to affect the transaction. Otherwise, the directive is executed asynchronously. [**BOOLEAN**]

COLLABORATION_LINK

Provides the mapping between directives, directive groups and actions.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
PARENT_BO **(Required, Key)**	The parent action or group that includes this link. [**HANDLE**]
DIRECTIVE_GBO **(Required, Key)**	The directive or directive group name. [**HANDLE**]
FILTERING_BO **(Required, Key)**	Link the filtering table. [**HANDLE**]
SEQUENCE_NUM	Controls the ordering of the members if sequencing is enabled in the parent record. [**SEQUENCE**]

COLLABORATION_LOG

Used to log errors and general logging.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE	The site this log entery is from. [**String (6)**]
UNIQUE_ID	A unique ID to identify this record. [**INTEGER**]
ACTION_BO	The action that triggered the directive that caused this log entry. [**HANDLE**]
DIRECTIVE_BO	Directive that triggered this log entry. [**HANDLE**]
LOG_DATE	Date and time of logging. [**DATE_TIME**]
LOG_TYPE	Determines if the log is an error or activation log. Valid values include: § **Error (E)** - Error Log. § **Activation (A)** - Activtation Log. [**String (1)**]
BASE_ACTION_DATA	Data input into the beginning of the directive. Stored in XML format. [**CLOB**]
PREV_DIRECTIVE_DATA	Previous directive data input into the beginning of the directive. Stored in XML format. [**CLOB**]
MESSAGE	Description of this log entry. If this is an error entry, this is the error message returned from the plug-in. [**String (4000)**]
REMAINING_WORK	If this directive was part of a sequence that stopped on an error condition, then this is a list of which directives were remaining to be done. Stored in XML format. [**CLOB**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

COMPONENT_DIM

Defines a dimension table for the failure history aggregate fact table. This dimension records the component and revision.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DIM_KEY	The dimension key (database reference). [**LONG**]
DIM_LEVEL	The level in the dimension hierarchy this key belongs to. [**String (20)**]
SITE	The site this dimension was created for. [**String (6)**]
COMPONENT	The component this dimension refers to. [**String (128)**]
COMPONENT_REVISION	The component's revision. [**String (20)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]
DESCRIPTION	The item/component description. [**String (40)**]

COMPONENT_HOLD

Defines the specific component hold information for a single component.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
COMPONENT_HOLD_ID **(Required, Key)**	Hold ID for this Component. [**String (40)**]

COLUMN	Description/Default
COMPONENT_HOLD_DATE	Date/Time this hold created. [**DATE_TIME**]
COMPONENT_HOLD_COMMENT	Comments associated with the creation of this Component Hold. [**String (2048)**]
CREATE_USER_BO	User who created this component level hold. [**HANDLE**]
ASSY_DATA_TYPE_BO	Defines the Assembly Data be collected for this hold. [**HANDLE**]
COMPONENT_BO	Component that was placed on Hold. [**HANDLE**]
VENDOR_CODE	Vendor or Vendor of Component being placed on Hold. [**String (40)**]
COMPONENT_CAN_BE_RECEIVED	Controls whether this Component may be received into Inventory. [**BOOLEAN**]
COMPONENT_CAN_BE_CONSUMED	Controls whether this Component may be consumed (assembled) at Assembly Point. [**BOOLEAN**]
RELEASE_USER_BO	The user who released this component level hold. [**HANDLE**]
RELEASE_DATE	Date/Time this component level hold was released. [**DATE_TIME**]
RELEASED	True if the hold has been released for this specific component. [**BOOLEAN**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

COMPONENT_HOLD_ASSY_DATA

The custom assembly data associated with this component hold (e.g. lot or date code).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**HANDLE**]
COMPONENT_HOLD_BO **(Required, Key)**	The record's parent handle. [**HANDLE**]

COLUMN	Description/Default
DATA_FIELD **(Required, Key)**	Assembly Data Field name. [**String (60)**]
DATA_ATTR	Value data defined by DATA_FIELD. [**String (1024)**]

COMP_TIME_ASSY_DATA

This business object defines specific component details for the component that was loaded at the resource at the parent slot. These rows depend on the AssyDataTypeBO for the BOM component assembly data.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_LOG_BO **(Required, Key)**	The component lot setup for which this assembly is defined. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique sequence number (used to build a unique handle for this object). [**INTEGER**]
DATA_FIELD	The data field (e.g. SFC, Lot, Vendor, etc.). [**String (60)**]
DATA_ATTR	The value of the data (may be a string representation of a handle). [**String (1024)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COMP_TIME_LOCATION

A single location that parent slot feeds.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_LOG_BO **(Required, Key)**	The component lot setup by which this location is fed. [**HANDLE**]

COLUMN	Description/Default
LOCATION **(Required, Key)**	The location fed by the parent component lot (slot). [**String (20)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COMP_TIME_LOG

This is the component lot setup for a single slot on a resource at a given time. This includes the "current" setup and past (historical) setups. This object also contains assembly data and information on which RefDes's and Locations the component lot is (was) feeding.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
HANDLE_SEQUENCE **(Required, Key)**	A sequence to make a unique handle when the same component is loaded on a resource. [**INTEGER**]
RESOURCE_BO **(Required, Key)**	This is the resource for which the slot is setup. [**HANDLE**]
SLOT	This is the slot that components are loaded on. [**String (16)**]
SEQUENCE	This controls the order, the slots are displayed. [**INTEGER**]
SLOT_STATE	This is the state for this component slot record. Valid values include: § **Current (C)** - The component lot is active and ready on the resource. § **Old (O)** - The component lot is an old lot that we previously loaded on the resource. [**String (1)**]
START_DATE_TIME **(Required, Key)**	This is the date/time that the component lot was loaded. [**DATE_TIME**]
END_DATE_TIME	This is the time that the component lot was removed from the slot. On active records, it is set to the End Of Time (to speed queries). [**DATE_TIME**]

COLUMN	Description/Default
COMPONENT_BO **(Required, Key)**	This is the component that is (was) loaded in the slot. [**ItemBO**] [**HANDLE**]
INVENTORY_BO	The inventory unit used to fill the BOM requirements (may be blank if requirement was not filled from inventory). [**HANDLE**]
REQD_COMPONENT_BO	This is the ItemBO for the required BOM Component that the loaded component fulfills. This is basically the ItemBO that the BOMComponentBO points to. This may be different from the ComponentBO due to alternate components. [**ItemBO**] [**HANDLE**]
QTY	The number of components loaded onto the resource. This value is only decremented if the appropriate hook activity is used with the Start/Complete and the Item is configured properly.
QTY_OVERRUN	The number of components past the point where QTY equals 0.0 that have apparently been used on the slot/resource. [**QTY**]
QTY_CONTROLLED	If true, then this slot/component has the QTY controlled by ME. [**BOOLEAN**]
FEEDS_ALL_REF_DES	If true, then this slot feeds (fed) all Reference Designators on the assemblies produced. If false, then the CompTimeRefDesBO (List) will contain the Reference Designators fed by this slot. [**BOOLEAN**]
FEEDS_ALL_LOCATIONS	If true, then this slot feeds (fed) all Locations (boards on a panel) on the assemblies produced. If false, then the CompTimeLocationBO (List) will contain the Locations fed by this slot. [**BOOLEAN**]
USER_BO	The user that replenished the components. [**HANDLE**]

COMP_TIME_LOG_STAGING

Records in this table are generated when a slot config is placed in the "PROPOSED" state. Current records from COMP_TIME_LOG are copied to the staging area, and manipulated by the Resource Setup activity. When setup is activated, the current records for the resource in COMP_TIME_LOG are closed, and staging records are moved.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
HANDLE_SEQUENCE **(Required, Key)**	A sequence to make a unique handle when the same component is loaded on a resource. [**INTEGER**]
RESOURCE_BO **(Required, Key)**	This is the resourcefor which the slot is setup. [**HANDLE**]
SLOT_CONFIG_BO **(Required, Key)**	The Slot Configuration that this component is loaded for. [**ItemBO**] [**HANDLE**]
SLOT	This is the slot that components are loaded on. [**String (16)**]
SETUP_ID	A string which, when combined with Slot Configuration, uniquely identifies the setup. [**String (40)**]
SEQUENCE	This controls the order the slots are displayed. [**INTEGER**]
START_DATE_TIME **(Required, Key)**	This is the date/time that the component lot was loaded. [**DATE_TIME**]
COMPONENT_BO **(Required, Key)**	This is the component that is (was) loaded in the slot. [**ItemBO**] [**HANDLE**]
END_DATE_TIME	This is the time that the component lot was removed from the slot. On active records, it is set to the End Of Time (to speed queries). [**DATE_TIME**]
REQD_COMPONENT_BO	This is the ItemBO for the required BOM Component that the loaded component fulfills. This is basically the ItemBO that the BOMComponentBO points to. This may be different from the ComponentBO due to alternate components. [**ItemBO**] [**HANDLE**]
QTY	The number of components loaded onto the resource. This value is not automatically adjusted by SAP ME.
FEEDS_ALL_REF_DES	If true, then this slot feeds (fed) all Reference Designators on the assemblies produced. If false, then the CompTimeRefDesBO (List) will contain the Reference Designators fed by this slot. [**BOOLEAN**]
FEEDS_ALL_LOCATIONS	If true, then this slot feeds (fed) all Locations (boards on a panel) on the assemblies produced. If false, then the CompTimeLocationBO (List) will contain the Locations fed by this slot. [**BOOLEAN**]
USER_BO	The user that replenished the components. [**HANDLE**]

COLUMN	Description/Default
SLOT_STATE	This is the state for this component slot record. Valid values include: § **Current (C)** - The component lot is active and ready on the resource. § **Old (O)** - The component lot is an old lot that we previously loaded on the resource. [**String (1)**]
INVENTORY_BO	The inventory unit used to fill the BOM requirements (may be blank if requirement was not filled from inventory). [**HANDLE**]
IS_CARRIED	'true' if this slot is carried over from previous setups, else 'false'. [**BOOLEAN**]
RESOURCE_SETUP_BO **(Required, Key)**	The resource setup handle for which slot have been loaded. [**ItemBO**] [**HANDLE**]
QTY_OVERRUN	The number of components past the point where QTY equals 0 that have apparently been used on the slot/resource. [**QTY**]
QTY_CONTROLLED	If true, then this slot/component has the QTY controlled by ME. [**BOOLEAN**]

COMP_TIME_REF_DES

A single reference designator that parent slot feeds.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_LOG_BO **(Required, Key)**	The component lot setup by which this reference designator is fed. [**HANDLE**]
REF_DES **(Required, Key)**	The RefDes fed by the parent component lot (slot). [**String (36)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COMP_TIME_STAGING_ASSY_DATA

This business object defines specific component details for the component that was loaded at the resource at the parent slot. The rows that this object may contain depend on the AssyDataTypeBO for the BOM component.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_STAGING_BO **(Required, Key)**	The component lot setup for which this assembly is defined. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique sequence number (used to build a unique handle for this object). [**INTEGER**]
DATA_FIELD	The data field (e.g. SFC, Lot, Vendor, etc.). [**String (60)**]
DATA_ATTR	The value of the data (may be a string representation of a handle). [**String (1024)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COMP_TIME_STAGING_LOCATION

A single location that parent slot feeds.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_STAGING_BO **(Required, Key)**	The component lot setup by which this location is fed. [**HANDLE**]
LOCATION **(Required, Key)**	The location fed by the parent component lot (slot). [**String (20)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COMP_TIME_STAGING_REF_DES

A single reference designator that parent slot feeds.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
COMP_TIME_STAGING_BO **(Required, Key)**	The component lot setup by which this reference designator is fed. [**HANDLE**]
REF_DES **(Required, Key)**	The RefDes fed by the parent component lot (slot). [**String (36)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

CONFIG_DATA_GROUP

This defines a group of data to be transferred to another site. This is used to group related business objects for transfer to another site as a single group. Most groups contain a single business object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	The site for this record. [**String (6)**]
NAME **(Required, Key)**	The name of this configuration data group. [**String (128)**]
DESCRIPTION	The description of this object. [**String (256)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

CONFIG_DATA_GROUP_MEMBER

This table contains members of the Configuration Data Group. A Configuration Data Group defines a group of data to be transferred to another site.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
GROUP_BO **(Required, Key)**	The Configuration Data Group this element is a member of. [**HANDLE**]
BO_NAME **(Required, Key)**	The Business Object (name) that is a member of this configuration data group. [**String (128)**]

CONFIG_DATA_TRANSFER

Defines a specific configuration data transfer set. This includes specific groups to be transferred to another site.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	The site for this record. [**String (6)**]
NAME **(Required, Key)**	The name of this transfer set. [**String (128)**]
DESCRIPTION	The description of this object. [**String (40)**]
TRANSFER_SITE	The site to transfer this data to. [**String (6)**]
CREATED_BY_USER_BO	The user that created this record. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]

COLUMN	Description/Default
MODIFIED_BY_USER_BO	The user that last updated this record. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

CONFIG_DATA_TRANSFER_LOG

Log for actual configuration data transfers that have been executed.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SEQUENCE **(Required, Key)**	A unique sequence ID for this log entry. [**INTEGER**]
TRANSFER_BO	The ConfigDataTransferBO that was used to transfer this data. [**HANDLE**]
GROUP_MEMBER_BO	The data transfer group that was transferred for this log entry. [**HANDLE**]
RECORD_GBO	The object that was transferred. [**HANDLE**]
ACTION	The action that took place. Valid values include: § **Insert (I)** - Record was inserted (created). § **Updated (U)** - Record was updated. [**String (1)**]
START_DATE_TIME	The date/time the transfer was started. [**DATE**]
END_DATE_TIME	The date/time the transfer was finished. [**DATE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

CONFIG_DATA_TRANSFER_MEMBER

This table contains the Configuration Data Groups that make up this transfer definition.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
TRANSFER_BO **(Required, Key)**	The ConfigDataTransferBO handle that this record is a member of. [**HANDLE**]
GROUP_BO **(Required, Key)**	The ConfigDataGroupBO that is a member of this transfer definition. [**HANDLE**]
SEQUENCE	This sequence defines the order in which the groups are transferred. [**INTEGER**]

CONFIG_DATA_TRANS_OBJ_FILTER

Defines specific configuration data transfer object filters for a given data transfer configuration. This includes specific groups to be transferred to another site.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
CONFIG_DATA_TRANSFER_BO **(Required, Key)**	The ConfigDataTransferBO handle that this record is a member of. [**HANDLE**]
OBJECT_NAME **(Required, Key)**	The name of DO object associated with the data transfer being filtered. [**String(128)**]
GROUP_NAME	The name of the configuration group the DO object belongs to. [**String(128)**]
ACTIVE	If true, then this object will be part of data transfer. [**Boolean**]

CONFIG_DATA_TRANS_PROP_FILTER

Defines specific configuration data transfer property filters for a given data transfer configuration. This includes specific groups to be transferred to another site

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
CFG_DATA_TRANS_OBJ_FILTER_BO **(Required, Key)**	The ConfigDataTransObjFilterBO handle that this record is a member of. [**HANDLE**]
PROP_NAME **(Required, Key)**	The name of the property within the DO object. [**String(128)**]
MASK_VALUE	The filter mask value for simple properties (e.g. Sting). [**String(2000)**]
DATE_1	The lower limit of a mask value for a DateTimeInterface property type within the DO object. [**DateTime**]
DATE_2	The uper limit of a mask value for a DateTimeInterface property type within the DO object. [**DateTime**]

CONTAINER

This business object defines a Container for packing Items or other Containers. This is definition of the container. Actual containers are stored in the CONTAINER_DATA table with unique CONTAINER_NUMBER IDs.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site for which this object is defined. [**String (6)**]
NAME	The name of the Container. [**String (40)**]

COLUMN	Description/Default
DESCRIPTION	The description of the Container. [**String (40)**]
PACKING_LEVEL	The level of packing of this Container, e.g. Items or Containers. Valid values include: § **ITEMS (ITEMS)** - The Container will be filled with Items (usually SFCs). § **CONTAINER (CONTAINER)** - The Container will be filled with other Containers. [**String (10)**]
MAX_QTY	The maximum quantity this Container can be filled with. [**INTEGER**]
CONTAINER_DATA_TYPE_BO	The Data-Type used to collect container data. [**HANDLE**]
SFC_DATA_TYPE_BO	The Data-Type used to collect SFC data put into this container. [**HANDLE**]
HEIGHT	The height of the container. [**FLOAT**]
WIDTH	The width of the container. [**FLOAT**]
DEPTH	The depth of the container. [**FLOAT**]
WEIGHT	The weight of the container. [**FLOAT**]
MAX_FILL_WEIGHT	The maximum weight, which can be filled into this container. [**FLOAT**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
MIN_QTY	The minimum quantity for the container. [**INTEGER**]
SFC_PACK_ORDER	The packing order for the SFCs. [**String (19)**]
STATUS_BO	The status of the container. [**HANDLE**]
CONTAINER_CATEGORY	Indicates container category (type). Valid Value: · Normal=N · Packaging Material Type=P Default value = N [**String (1)**]

COLUMN	Description/Default
HU_MANAGED	Gives user ability to decide where to post Goods Receipt when current container is used. To EWM - TRUE Or To ERP - FALSE Default value = FALSE [**BOOLEAN**]
GENERATE_HU	Indicates which system will generate Handling Unit Number. [**String (5)**]

CONTAINER_CUSTOM_DATA

Custom-data collected for a container.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CONTAINER_DATA_BO	The container this data is collected for. [**HANDLE**]
DATA_FIELD	The data field (from DataTypeBO). [**String (60)**]
DATA_ATTR	The data value. [**String (1024)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

CONTAINER_DATA

Defines a unique container that is used in production. These are the actual containers and have a unique container number to identify the container.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site for which this object is defined. [**String (6)**]
CONTAINER_BO	The definition of this container. [**HANDLE**] (Expanded Archive Columns: **CONTAINER_NAME, CONTAINER_SITE**)
CONTAINER_NUMBER	The number of this container. This usually identifies a specific container used in production. [**String (128)**]
STATE	The state of this container. Valid values include: § **OPEN (OPEN)** - The Container is open and can have new elements packed into it. § **CLOSED (CLOSED)** - The Container is closed. New elements can't be packed into the container. § **REOPEN (REOPEN)** – The container is open due to a re-open action. [**String (10)**]
OPERATION_BO	At this operation the container was last filled. [**HANDLE**] (Expanded Archive Columns: **OPERATION, OPERATION_SITE, OPERATION_REVISION**)
RESOURCE_BO	From this resource the container was last filled. [**HANDLE**] (Expanded Archive Columns: **RESRCE, RESOURCE_SITE**)
USER_BO	From this user the container was last filled. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
HU_NUMBER	Handling Unit Number associated with Container [**String (20)**]
PACKAGING_ITEM	Packaging Material associated with Container [**String (128)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

CONTAINER_DOCUMENT

This business object defines the documents to be printed for a container.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CONTAINER_BO **(Key)**	Defines the container this document belongs to. [**HANDLE**]
DOCUMENT_BO	The document to print. [**HANDLE**]
SEQUENCE	The sequence number defines the order, how the documents are printed. [**INTEGER**]
HOOK_POINT_BO	This is unused in this release. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

CONTAINER_MEMBER

Information about an item (SFC) or container placed in a container.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object.
CONTAINER_NUMBER_BO	A container packed within the parent container. This is only used when a container is packed within a container. (Expanded Archive Columns: **CONTAINER_NUMBER, CONTAINER_NUMBER_SITE**)
CONTAINER_DATA_BO	The container this member is in.
SFC_BO	If this member is an item, this field contains the SFC. (Expanded Archive Columns: **SFC, SFC_SITE**)

COLUMN	Description/Default
QTY	The quantity of this SFC. [**INTEGER**]
STATE	The state of this member. Valid values include: § **DONE (DONE)** – The member is Done. § **STARTED (STARTED)** - The member has been started, but is not completed. § **COMPLETED (COMPLETED)** – The member has been completed. [**String (10)**]
ARCHIVED	This flag Indicates if set to true, that this SFC is archived. [**BOOLEAN**]
ITEM_BO	The item for the SFC. (Expanded Archive Columns: **ITEM, ITEM_SITE, ITEM_REVISION**)
SUB_ID	Unique Identifier. [**INTEGER**]
ITEM_DESCRIPTION	The Item's description. [**String (40)**]
SHOP_ORDER_BO	The Shop Order packed. (Expanded Archive Columns: **SHOP_ORDER, SHOP_ORDER_SITE**)
REMOVED	If true, then this member has been removed from the container. [**Boolean**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
PACKING_LEVEL_BO	The handle for the packing level.

CONTAINER_MEMBER_CUSTOM_DAT

SFC custom-data collected for a container-member.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CONTAINER_MEMBER_BO	The container-member this data is collected for. [**HANDLE**]

COLUMN	Description/Default
DATA_FIELD	The data field (from DataTypeBO). [**String (60)**]
DATA_ATTR	The data value. [**String (1024)**]

CONTAINER_PACKING_LEVEL

This entity indicates the packing level for the container. It usually is represented as 'ITEM', 'PROCESS_LOT', and 'CONTAINER'.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
PACKING_LEVEL	The level of packing of this Container. e.g. Items or Containers. Valid values include: § **ITEMS (ITEMS)** - The Container will be filled with Items (usually SFCs). § **CONTAINER (CONTAINER)** - The Container will be filled with other Containers. [**String (10)**]
MAX_QTY	The maximum quantity this Container can be filled with. [**INTEGER**]
MIN_QTY	The minimum quantity for the container. [**INTEGER**]
CONTAINER_BO	The definition of this container. [**HANDLE**]
SHOP_ORDER_BO	The RMA shop order for thie RMA. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence number for this packing level. [**SEQUENCE**]
REVISION **(Required, Key)**	The revision of this packing level. [**String (20)**]

COLUMN	Description/Default
PACKING_LEVEL_VALUE	The level of packing of this Container, e.g. Items or Containers. Valid values include: § **ITEMS (ITEMS)** - The Container will be filled with Items (usually SFCs). § **CONTAINER (CONTAINER)** - The Container will be filled with other Containers. [**String (128)**]

CONTAINER_PRINTED_DOC

Stores the printed documents for a container.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CONTAINER_DATA_BO	The container for this documents, which was printed. [**HANDLE**]
CONTAINER_DOCUMENT_BO	The printed document. [**HANDLE**]
STATE	The state of the document. Valid values include: § **READY** - The document is ready to be printed. § **ON_CLOSE** - The document was printed, during the close action. § **ON_SAVE** - The document was printed, during the close action. [**String (10)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

COST_CENTER

This business object defines the basic Cost Center object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site this cost center is defined for. [**String (6)**]
COST_CENTER **(Required, Key)**	The Cost Center. [**String (128)**]
STATUS_BO	The status of this cost center (from Product Definition Status Group). [**StatusBO**] [**HANDLE**]
DESCRIPTION	The description of the cost center. [**String (40)**]
LCC_BO	The default labor charge code. [**LaborChargeCodeBO**] [**HANDLE**]
ROLLUP_CC_BO	The parent/roll up cost center. [**CostCenterBO**] [**HANDLE**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

CUSTOMER

Defines a customer. Customers can have one or more customer orders and/or shop orders.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
CUSTOMER **(Required, Key)**	The customer's ID. [**String (40)**]

COLUMN	Description/Default
CUSTOMER_NAME	The customer's name (display value). [**String (128)**]
ADDRESS1	The customer's address. [**String (256)**]
ADDRESS2	The customer's address. [**String (256)**]
CITY	The customer's city. [**String (40)**]
STATE_PROV	The customer's state/provence. [**String (40)**]
COUNTRY	The customer's country. [**String (40)**]
POSTAL_CODE	The customer's postal code. [**String (40)**]
IS_MANUFACTURER	A customer with a selected *Manufacturing Company* checkbox is used as a manufacturer of the produced goods upon creation of SAP AIN equipment. This is required to support a make-to-stock manufacturing process when a sold-to-party value is not received with the production order. [**String (5)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CUSTOMER_ORDER

Defines a unique set of build requirements for a given customer order. This includes specific Items and quantities and the dates associated with the order.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]

COLUMN	Description/Default
CUSTOMER_ORDER **(Required, Key)**	The code to identify Customer Order. [**String (40)**]
CUSTOMER_BO	The customer who placed this order. [**HANDLE**]
PRIORITY	The relative priority of this customer order where 1 is the lowest priority and 999 is the highest. [**INTEGER**]
STATUS_BO	The status of this order. This is a status that is defined in the OrderStatusGroup. [**HANDLE**]
PLANNED_START	The date and time that this order has been planned to be started. [**DATE_TIME**]
PLANNED_END	The date and time that this order has been planned to be completed. [**DATE_TIME**]
CREATED_BY	How this Customer Order was created. Valid values include: § **Imported (IMPORTED)** - This order was imported. § **Manual (MANUAL)** - This order was created manually. [**String (10)**]
COMMENTS	Any comments on this order. [**String (2048)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CUSTOMER_ORDER_LINE

Defines one Item for a given customer order. This includes the ordered quantity.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CUSTOMER_ORDER_BO **(Required, Key)**	The parent customer order that this line item belongs to. [**HANDLE**]

COLUMN	Description/Default
ITEM_BO **(Required, Key)**	The item to build. [**HANDLE**]
QTY_ORDERED	The number of pieces ordered. This is a reference value only. If not overridden, this value is set to the QtyToBuild value. [**QTY**]
QTY_TO_BUILD	The number of pieces to build. [**QTY**]
QTY_ALLOCATED	The number of pieces to allocated to shop orders. [**QTY**]

CUSTOM_FIELDS

Defines custom field values for various objects in SAP ME (e.g. Workstation). This is not used in all objects in SAP ME.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for the Business Object the custom data is associated with. [**HANDLE**]
ATTRIBUTE	The attribute name for the custom data. [**String (60)**]
VALUE	The value of the custom attribute. [**String (1024)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

CUSTOM_FIELD_DEF

Defines the custom fields for various configuration objects in SAP ME (e.g. Workstation). This is not used in all objects in the system.

Archived: No

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle of this field. [**HANDLE**]
SITE **(Required, Key)**	The site the object is defined for. [**String (6)**]
TABLE_NAME **(Required, Key)**	The name of the Table/Object this custom field applies to. [**String (412)**]
SEQUENCE	Controls the order that fields are displayed in the GUIs. [**INTEGER**]
FIELD_NAME **(Required, Key)**	The name of the field. [**String (60)**]
FIELD_LABEL	The label used for this field in the GUI. [**String (32)**]
REQUIRED	If true, then this field is required (only enforced at the GUI). [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DATA_FIELD

Defines a specific piece of data to be collected for data types. This can be used by any data type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
DATA_FIELD **(Required, Key)**	The data field name. [**String (60)**]
FIELD_TYPE	The type of this field. Valid values include: § **Custom (C)** – This data field is defined by the customer. § **Pre-defined (P)** - This data field is defined by initial data load of SAP ME. [**String (20)**]
DATA_TAG	The label displayed in the GUI that collects this data. [**String (32)**]

COLUMN	Description/Default
VALIDATION_TYPE	The type of validation needed for this field. [**String (1)**]
IS_BROWSE	If "true", then the browse should be displayed for this field. Implementation of this is dependent on the specific GUI used. [**BOOLEAN**]
BROWSE_ACTIVITY_BO	Unused in this release. [**HANDLE**]
MASK_GROUP_BO	The mask group used to validate this data field. Specifies valid format(s) allowed in this field. [**HANDLE**]
DESCRIPTION	The description of this data field. [**String(40)**]
VALIDATION_ACTIVITY_BO	The activity used to validate this field value. [**HANDLE**]
DATA_DEFAULT	The default value to be used for pre-seeding the field. The value can represent any of the various data types (i.e, handle, qty, string, etc.). [**String (1024)**]
IS_ERP	Indicates that the data field is authored in SAP ERP (true/false). [**String (5)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DATA_FIELD_LIST

Defines the list of valid values for a specific DATA_FIELD entry.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
DATA_FIELD_BO **(Required, Key)**	The parent data field record. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence to display this value in. [**Integer**]
DATA_VALUE	The value stored in the database. [**String (1024)**]

COLUMN	Description/Default
DATA_TAG	The label displayed in the GUI that collects the data. [**String (80)**]
IS_DEFAULT	If "true", then this entry is the default value for the list data entry field. [**BOOLEAN**]
VALUATION	Code valuation specified in SAP ERP as Accepted or Rejected (A/R). It is used to support QM qualitative inspection characteristics. [**String (1)**]
ERP_CODE_GROUP	The code group to which this code record (data field value) belongs. The code group can only be received from SAP ERP. [**String (8)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DATA_FORMAT

Defines a specific data format. This includes specific standard qualifiers to be mapped to system fields. This is typically used for parsing barcode inputs from the users.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site in which this object is defined. [**String (6)**]
FORMAT **(Required, Key)**	The format key field. [**String(36)**]
DESCRIPTION	The description of this format definition. [**String (40)**]
FORMAT_TYPE	The type of this data format. Typical values include 'ISO15434' and related types. [**String (50)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DATA_FORMAT_MEMBER

Defines a single mapping of an input value to a data field in SAP ME. This is a child of the DATA_FORMAT table. This is typically used for parsing barcode inputs from the users.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
DATA_FORMAT_BO **(Required, Key)**	The data format this mapping record is used for. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the mapping of the field is evaluated in. [**INTEGER**]
DESCRIPTION	The description of this mapping member. [**String (40)**]
DATA_QUALIFIER	The data qualifier as it is defined in the input data (e.g. in the barcode). [**String (26)**]
DATA_FIELD	The SAP ME data field to map this input member into. [**String (60)**]

DATA_TYPE

A generic data type that can be used to specify custom fields associated with base objects (e.g. Nonconformances, RMA orders, etc).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site in which this object is defined. [**String (6)**]
CATEGORY **(Required, Key)**	The category of objects that can use this data type (e.g. RMA_SHOP_ORDER, etc). [**String (20)**]

COLUMN	Description/Default
DATA_TYPE_NAME **(Required, Key)**	The name of the data type. [**String (32)**]
FIELD_TYPE	The type of this field. Valid values include: § **Custom (C)** - Custom (Default). § **Pre-Defined (P)** - Pre-Defined in Base SAP ME. [**String (1)**]
DESCRIPTION	The description of the Data type. [**String (40)**]
VALIDATION_ACTIVITY_BO	The validation activity that is used when the data is collected. [**HANDLE**]
QTY_EDITABLE	Unused in this release. [**BOOLEAN**]
COLLECT_BY_LOT	Unused in this release. [**BOOLEAN**]
IDENT_TYPE	Unused in this release. [**String(1)**]
SHOW_LOCATION	Unused in this release. [**String(1)**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DATA_TYPE_FIELD

Defines the relationship between a Data Type and a Data Field. This means a given Data Field is used by the given Data Type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
DATA_TYPE_BO **(Required, Key)**	The parent data type that uses this field. [**HANDLE**]
DATA_FIELD_BO **(Required, Key)**	The specific field used by the parent data type. [**HANDLE**]

COLUMN	Description/Default
SEQUENCE **(Required, Key)**	The sequence to display this value in. [**Integer**]
REQUIRED	If "true", then field is required before the data collect by this Data Type can be saved. [**BOOLEAN**]

DB_SEQUENCE

This business object is used to provide unique numerical values for database table columns.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
SEQUENCE_NAME **(Required, Key)**	Name of the sequence (table can be used for any number of sequences). [**String (32)**]
VALUE	The current value. [**INTEGER**]

DC_GROUP

Defines a group of data collection parameters.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. [**HANDLE**]
SITE	The site where this Data Collection Group is defined. [**String (6)**]
DC_GROUP	The name of this Data Collection group. [**String (40)**]

COLUMN	Description/Default
REVISION **(Required, Key)**	This holds the revision for the DC Group. [**String (20)**]
STATUS_BO	Holds the status of the DC Group. A new Status Group will be added in Status table that will be for DATA COLLECTION. [**HANDLE**] (Expanded Archive Columns: **STATUS_SITE, STATUS**)
DESCRIPTION	The description of this Data Collection Group. [**String (40)**]
COLLECT_DATA_AT	Value indicating whether data collection should be triggered at Start, Complete or both. [**String (10)**]
COLLECTION_METHOD	Determines how the data will be collected for this group. Valid values include: § **Manual - Single (S)** - Data will be collected manually, once for each SFC. § **Manual - Multiple (M)** - Data will be collected manually, once for the entire group of SFCs (if multiple SFCs are selected). [**String (1)**]
COLLECTION_TYPE	Determines what the data collection group will be collected against (SFC or Resource). Valid values include: § **SFC (S)** - Data will be collected against an SFC. § **Resource (R)** - Data will be collected against a resource. [**String (2)**]
PASS_FAIL_GROUP	If true then, if any collected value for any Parameter within DC_GROUP within min/max range, then DC_GROUP passes. If false then, DC_GROUP fails if any value for any Parameter outside min/max range. [**BOOLEAN**]
PASS_FAIL_NUMBER	The number of pass fail tests to make. [**Integer**]
AUTHENTICATION_REQUIRED	This will hold the "true" or "false" depending on whether user needs to be authenticated before starting to do the Data Collection on this DC Group. [**BOOLEAN**]
CURRENT_REVISION	This will hold the "true" or "false" depending on whether DC Group is current or not. [**BOOLEAN**]
ME_EVAL_INSPECTION	If 'true', the ME will evaluate if the DC group inspection passes or fails. This only applies if ERP is true. [**BOOLEAN**]
ERP	'true' if the data collected in this DC group is to be sent to ERP. [**BOOLEAN**]

COLUMN	Description/Default
ERP_INSPECTION	'true' if the data collected in this DC group is associated with an ERP Inspection Lot (typically a Shop Order-based Inspection Lot). [**BOOLEAN**]
ERP_WHOLE_GROUP_INSPECTION	If 'true', then the DC Group is the entire ERP inspection group. [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

DC_GROUP_MASTER

DCGroupMasterBO extends RevisionableEBO, which creates an auxiliary table called DC_GROUP_MASTER. This table defines master data for a revision family of DCGroupBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
DC_GROUP **(Required, Key)**	The DC Group name. [**String (40)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the DC Group revision family. [**String (1)**]

DC_PARAMETER

Defines a single parameter to be collected.

Archived: Yes

Audit Logged: Yes

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
DC_GROUP_BO	Handle of DC Group, which contains this parameter. [**DCGroupBO**] [**HANDLE**]
PARAMETER_NAME	The data parameter's name. [**String (25)**]
DATA_TYPE	Character value indicating the data type: 'N' for Numeric, or 'T' for Text. Valid values include: § **Number (N)** - Numeric § **Boolean (B)** - Boolean (true/false). § **Text (T)** - Any text. § Formula (F) - Formula § **OPC Text (P)** - OPC Text. § **OPC Number (O)** - OPC Number. [**String (1)**]
STATUS	Status codes from Product Definition group. [**String (412)**]
ALLOW_MISSING_VALUE	Specifies whether the missing value symbol (specified by a system rule) is allowed for this data parameter. [**BOOLEAN**]
PROMPT	The data prompt to use when requesting data, defaults to the Parameter Name. [**String (60)**]
MIN_VALUE	The minimum value the user is allowed to enter. If not specified there is no restriction on the minimum value entered. [**FLOAT**]
MAX_VALUE	The maximum value the user is allowed to enter. If not specified there is no restriction on the maximum value entered. [**FLOAT**]
MIN_REPLICATES	The minimum required number of replicates for the parameter. [**INTEGER**]
MAX_REPLICATES	The maximum number of replicates for the parameter. [**INTEGER**]
SEQUENCE	Controls the order in which multiple parameters are requested from the operator (lowest first). [**INTEGER**]
PERFORM_SPC	Determines whether or not SPC is to be performed for this data parameter following data collection. [**BOOLEAN**]
DISPLAY_CHART	Controls when SPC charts for this parameter are displayed to the operator. Display options are Always, Never, and On Alarm. [**String (5)**]

COLUMN	Description/Default
DESCRIPTION	The description of this data parameter. [**String (40)**]
UNITS	The unit of measure for data collected. [**String (10)**]
DISPLAY_DATA_TYPE	Controls whether the parameter's data type should be displayed on the POD data collection plugin. [**BOOLEAN**]
SOFT_LIMIT_CHECK	If true, then the max and min values are treated as soft limits. [**BOOLEAN**]
DISPLAY_MIN_VALUE	Controls whether the parameter's minimum value should be displayed on the POD data collection plugin. [**BOOLEAN**]
DISPLAY_MAX_VALUE	Controls whether the parameter's maximum value should be displayed on the POD data collection plugin. [**BOOLEAN**]
DISPLAY_UNITS	Controls whether the parameter's unit of measure should be displayed on the POD data collection plugin. [**BOOLEAN**]
DISPLAY_REPLICATES	Controls whether the minimum/maximum number of replicates for the parameter should be displayed on the POD data collection plugin. [**BOOLEAN**]
DC_VALUE_MASK	Format definition of data entry values. [**String (1024)**]
DISPLAY_DATA_INFORMATION	Controls whether at runtime the following parameters (Data Type, Min Value, Max Value, should be displayed on the POD data collection plugin. [**BOOLEAN**]
EXPRESSION_BUILDER	Transformation Data Function, expression to transform parameters within DC Group by the SPC system. Must be a valid expression for the SPC system. [**String (412)**]
OPTIONAL_DATA_ENTRIES	The number of replicates (data entries) for the parameter, above the required number of replicates. OPTIONAL_DATA_ENTRIES = MAX_REPLICATES - MIN_REPLICATES. [**INTEGER**]
OVERRIDE_MIN_MAX	Controls whether data entry value outside the range of MIN_VALUE and MAX_VALUE are allowed. [**BOOLEAN**]
REQUIRED_DATA_ENTRIES	The minimum required number of replicates (data entries) for the parameter. Previously MIN_REPLICATES. [**INTEGER**]
SHORT_RUN	If "true", SPC short run for this DC Parameter is enabled. [**BOOLEAN**]

COLUMN	Description/Default
SPC_CHART_BO	SPC Chart to run on this parameter data entries. [**HANDLE**]
BOOLEAN_ONE_VALUE	This will hold the value that corresponds to Boolean 1 value that user wants to see as the value when doing the data collection on the POD. This field applies only when Data Type selected as BOOLEAN (new data type to be added). [**String (20)**]
BOOLEAN_ZERO_VALUE	This will hold the value that corresponds to Boolean 0 value that user wants to see as the value when doing the data collection on the POD. This field applies only when Data Type selected as BOOLEAN (new data type to be added). [**String (20)**]
OPC_ACQUIRE_AT	This field stores the value of how the value is acquired from the OPC Server. Values can be acquired manually or at DC Plugin Start or DC Plugin Save. Valid values include: § **Manual (M)** - Manual. § **Start (S)** - Plugin Start. § **After Save (A)** - After Save. [**String (1)**]
OPC_DEVICE	The name of the OPC Device. [**String (128)**]
OPC_DEVICE_ID	This is the unique identification of the device inside the OPC Server. [**String (128)**]
OPC_SERVER	The name of the OPC Server. This is the HostName: ProgId of the OPC Server. [**String (128)**]
OPC_SERVER_CLSID	This also uniquely identifies the OPC Server. It can be used as an alternative to ProgId. [**String (128)**]
OPC_SERVER_HOSTNAME	The stores the machine name that has the OPC Server. [**String (128)**]
OPC_SERVER_MODEL	The model that OPC Server is using. This can be Flat or Hierarchical. [**String (128)**]
OPC_SERVER_PROGID	This is the unique id through which OPC Server is located inside the OPC Host. [**String (128)**]
OPC_TAG	The name of the OPC Tag. This is stored as Group.Group.Tag. [**String (128)**]
OPC_TAG_ID	This is the unique identification of the tag inside the Device. [**String (128)**]

COLUMN	Description/Default
SCRIPT_BO	Holds the script entered for the formula. This will hold the script similar to Router Maintenance and the script type will always be EMBEDDED. [**HANDLE**]
AUTO_LOG_NC	If true, then automatically log the NC Code when the collection fails validation. [**Boolean**]
NC_CODE_BO	The NC Code to auto-log when the collection fails. [**Handle**]
ERP_QM_CHAR_TYPE	This is the type of characteristic for this parameter as defined in the ERP QM system. [**String(2)**]
ERP_IS_QM_CRITICAL	If 'true', then this parameter represents a critical characteristic in the ERP QM system. [**Boolean**]
DATA_FIELD_BO	A reference to the data field of list type for data collection parameter (used if DC parameter type is List type). [**HANDLE**]
INSPECTION_SAMPLE_SIZE	The inspection sample size to know how many SFCs will be inspected. [**INTEGER**]
TARGET_VALUE	The target value. [**FLOAT**]

DC_SHORT_RUN

This child table of DC_PARAMETER defines the SPC parameters to support Short-Run of any variable chart for this DC Parameter.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DC_PARAMETER_BO **(Required, Key)**	Parent DCParameterBO object. [**HANDLE**]
ITEM	The Item, these Short Run parameters are to be used. [**String (128)**]

COLUMN	Description/Default
RANGE	Target range for these values. [**INTEGER**]
TARGET	Target or average value. [**INTEGER**]

DC_USER_DEFINED_FIELDS

This child table of DC_PARAMETER defines the User Defined Fields to be collected at runtime for this DC Parameter.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DC_PARAMETER_BO **(Required, Key)**	Parent DCParameterBO object. [**HANDLE**]
PROMPT	User defined field name (free form field). [**String (25)**]
DATA_TYPE	The value of the option. Valid values include: § **Number (N)** - Numeric. § **Integer (I)** - Integer. § **String (S)** - Any String. [**String (1)**]
REQUIRED	Is this user defined field value required? [**BOOLEAN**]
SEQUENCE **(Required, Key)**	A unique sequence number (used to build a unique handle for this object). [**INTEGER**]

DC_USER_OPTIONS

This child table of DC_PARAMETER defines the User Options name/value pairs associated with this DC Parameter. These are static values defined only once for the DC Parameter.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DC_PARAMETER_BO **(Required, Key)**	Parent DCParameterBO object. [**HANDLE**]
OPTION_NAME	The Option name (free form field). [**String (25)**]
OPTION_VALUE	The value of the option. No validation performed. [**String (1024)**]
SEQUENCE **(Required, Key)**	A unique sequence number (used to build a unique handle for this object). [**INTEGER**]

DEF_COLUMN_VALUE

Captures actual default column values within a table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DEF_VALUE_CATEGORY_BO	Parent reference to DEF_VALUE_CATEGORY. [**HANDLE**]
PARENT_PATH	Path to the value relative to the table name. If empty means that the default value should be bound to the TABLE_NAME, which is root in our case. It will store info as [table 1].[table 2].[table n]. For example: ROUTER_STEP. ROUTER_NEXT_STEP. [**String (512)**]
COLUMN_NAME	The name of the column for which we define default values. [**String (30)**]
DISPLAY_NAME	The human readable name for the column - this will be displayed to the user. [**String (128)**]
DEFAULT_VALUE	The actual default value that will be substituted when a supplied through XChange value is blank. [**String (1024)**]

COLUMN	Description/Default
IS_HANDLE	A Boolean flag that shows if the field is a handle. If so the site component of it will be seeded automatically. [**BOOLEAN**]

DEF_VALUE_CATEGORY

Captures default value configuration data for a table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site for which this object is defined. [**String (6)**]
TABLE_NAME	The name of the table for which we define default values. [**String (30)**]
DISPLAY_NAME	The human readable name for the table - this will be displayed to the user. [**String (128)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

DIM_DB_SEQUENCE

Defines a DB Sequence value. Used to generate unique DB Dimension values in a database-independent way.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. [**HANDLE**]

COLUMN	Description/Default
SEQUENCE_NAME	The name of the DB sequence this record holds the current count for. [**String (32)**]
VALUE	The current value for the DB sequence. [**LONG**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

DISPOSITION_FUNCTION

Captures the set of pre-defined Disposition Functions for a site that can be assigned to a Disposition Group.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. Derived from DISPOSITION_FUNCTION and SITE. [**HANDLE**]
SITE **(Required, Key)**	The site for which the object is defined. [**String (6)**]
DISPOSITION_FUNCTION **(Required, Key)**	The name of the Disposition Function. [**String (40)**]
DESCRIPTION	The description of the Disposition Function. [**String (40)**]
ROUTER_BO	The handle of the default Disposition Router that will implement the Disposition Function. [**HANDLE**]

COLUMN	Description/Default
FUNCTION_TYPE	A type value used to categorize the Disposition Function. Valid values include: § **Future Hold (F)** - Denotes a future hold. § **Local Rework (L)** - Denotes local rework. § **NC Router (N)** - Function that dispositions an SFC to the selected or pre-defined NC Router. § **Other (O)** - All other functions besides the pre-defined types. § **Return Type (R)** - Denotes a return step (i.e., Return to Original, Return to Next, etc.). § **Special Operation (S)** - Function that dispositions an SFC to the selected or pre-defined Special Operation Router. § **No Disposition (X)** - Denotes no disposition is associated with it (SFC stays in same state). § **Immediate Hold (I)** - Denotes an immediate Hold. § **ReturnToSite (V)** - Return to Site. § **Non-standard NC router (D)** - Non-standard NC router. [**String (1)**]
CREATED_DATE_TIME	The date/time the record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time the record was last modified. [**DATE_TIME**]

DISPOSITION_FUNCTION_STATUS

Captures the valid SFC status values for which a disposition function applies.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DISPOSITION_FUNCTION_BO	The disposition function for which a valid SFC status code is being associated. [**HANDLE**]
SFC_STATUS_BO	The handle to a status code definition for which the disposition function will be valid. [**HANDLE**]

DISPOSITION_GROUP

Captures a group of functions that can be assigned to a single NC code or router to allow for a disposition selection.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's unique handle. Derived from SITE and DISPOSITION_GROUP. [**HANDLE**]
SITE **(Required, Key)**	The site for which the object is defined. [**String (6)**]
DISPOSITION_GROUP **(Required, Key)**	The name for the Disposition Group [**String (20)**]
DESCRIPTION	The description for the Disposition Group. [**String (40)**]
CREATED_DATE_TIME	The date/time the record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time the record was last modified. [**DATE_TIME**]

DISPOSITION_GROUP_MEMBER

Captures the function assignments for a Disposition Group.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's unique handle. Derived from DISPOSITION_GROUP_BO and SEQUENCE. [**HANDLE**]
DISPOSITION_GROUP_BO **(Required, Key)**	The handle for the parent Disposition Group. [**HANDLE**]
SEQUENCE **(Required, Key)**	The unique sequence number for the member record. [**INTEGER**]
DISPOSITION_FUNCTION_BO	The assigned disposition function. [**HANDLE**]

COLUMN	Description/Default
ROUTER_BO	The handle of the Disposition Router that will implement the Disposition Function. If the Disposition Function is SPECIAL_OPERATION or STANDARD_NC_ROUTER, then this value represents the pre-selected special or NC router. [**HANDLE**]
ACTIVITY_LOG_CONFIG_BO	The handle for the activity log configuration that will be used to create an activity log record when the current disposition assignment is selected. [**HANDLE**]
DESCRIPTION	The description for the current function assignment. [**String (40)**]
DISPOSITION_ACTIVITY_BO	The handle for the activity hook to be fired when the current disposition assignment is selected (for future use). [**HANDLE**]

DOCUMENT

This object defines a printed document. These documents are used to print serial number labels, travelers and BOMs. The documents are associated with Items, Routers and other SAP ME objects. This object is used by the PrintDocument activity.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
DOCUMENT **(Required, Key)**	The Document's ID. [**String (35)**]
REVISION **(Required, Key)**	The Document's revision. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision of this Document. [**BOOLEAN**]
STATUS_BO	The status of this Document. This status is in the Basic Status Group. [**HANDLE**]
DOCUMENT_TYPE_BO	This document is defined to be of this document type. [**HANDLE**]

COLUMN	Description/Default
DESCRIPTION	The description of this document. [**String (40)**]
TEMPLATE	The document template used to print this document. This is normally a file name. [**String (60)**]
HEADER_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
ROUTER_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
BOM_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
PACKING_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
WORK_INSTRUCTION_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
PARAMETRIC_DATA	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**BOOLEAN**]
MEASUREMENT_NAMES	No longer used in this release. This setting is now stored in the DOCUMENT_OPTION table. [**String (100)**]
PRINTER_NAME	The name pf the printer the document is printed to. This is passed to the printing software (via the formatter class). [**String (256)**]
FORMATTER_CLASS	This is the name of the java class (including package) for the formatting routine. It must implement the PrintFormatterInterface. [**String (256)**]
FORMAT_USER_ARG	Additional arguments passed to the formatter class. [**String (256)**]
AUX_DATA_SOURCE	The auxiliary data file for the formatter. [**String (256)**]
PRINT_NAME	The name of the printer. [**String (256)**]

COLUMN	Description/Default
PRINT_BY	Defines how the document data is retrieved and organized for printing. Valid values include: § **SFC (S)** - Print By SFC. § **Shop Order (H)** - Print By Shop Order. § **Process Lot (P)** - Print By Process Lot. § **Container (C)** - Print By Container. [**String (1)**]
PRINT_METHOD	Defines which ways the document can be printed. Valid values include: § **Automatic (T)** - Automatic Printing Only. § **Manual (M)** - Manual Printing Only. § **Reprint (R)** - Reprint Only. § **All (A)** - Prints in all cases. [**String (1)**]
PRINT_QTY	The number of copies to print. [**INTEGER**]
DATA_ACQUISITION_CLASS	Data acquisition class. Data Acquisition allows the user to support an unlimited variety of SAP ME data sets. Data Acquisition attaches whatever additional information you need to the original set of data. [**String (256)**]
DATA_ACQUISITION_USER_ARG	Additional arguments passed to the data aquisition class. [**String (256)**]
TRANSPORT_CLASS	Transport class. Transport allows the user to support an unlimited variety of transport mechanisms. For example, the external system, or specific customer need may require transmission via HTTP, a flat file/FTP, a proprietary protocol, such as SAP BAPI, SMTP for email, database table, SAP ME internal function, or JMS. [**String (256)**]
TRANSPORT_USER_ARG	Additional arguments passed to the transport class. [**String (256)**]
WRITE_ERROR_LOG	True or false to indicate if the error during printing has to be logged. [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

DOCUMENT_LINK

This Enterprise Business Object (EBO) links a DocumentBO with an MES object (e.g. Item or Router). This is used to determine which documents are associated with MES objects.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
DOCUMENT_BO **(Required, Key)**	The document to be printed for this application object. [**HANDLE**]
DOC_CONTEXT_GBO **(Required, Key)**	The application object that the document is associated with. [**HANDLE**] [**ItemBO, RouterBO**]
SEQUENCE	The order in which the document is displayed/printed. [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]

DOCUMENT_MASTER

Defines the master definitions for all revisions of a given document.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site for the Document revision family. [**String (6)**]
DOCUMENT	The name/id of the Document revision family. [**String (35)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Document revision family. (Unused in this release). [**String (1)**]

DOCUMENT_OPTION

Defines the available options for documents.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
OPTION_ID	The option identifier. [**String (40)**]
LABEL	The label for the option. [**String (50)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

DOCUMENT_OPTION_VALUE

Defines the value for a given option for a given Document. In the case of check-box options, this table holds the setting of the check box (true or false). Other types are also supported.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
DOCUMENT_BO **(Required, Key)**	This option is associated with this document. [**HANDLE**]
DOCUMENT_OPTION_BO **(Required, Key)**	This is the option definition itself. [**HANDLE**]
VALUE	The value of the option (e.g. 'true', 'false', or other value). [**String (5)**]

DOCUMENT_TYPE

Defines the basic type of document (label, traveler, etc).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
DOCUMENT_TYPE **(Required, Key)**	The type of document. Examples include 'LABEL' or 'TRAVELER'. [**String (20)**]
DESCRIPTION	The description of this document type. [**String (40)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

DOWNTIME_NOTIFICATION

Representing resource status change notification sent to ERP from the downtime UI screen.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes KEY_ID [**HANDLE**]
KEY_ID	GUID for the record. [**INTEGER**]
RESOURCE_BO	Reference to resource. [**HANDLE**]
ERP_FUNCTIONAL_LOCATION	ERP functional location name. [**String (30)**]
ERP_EQUIPMENT_NUMBER	ERP equipment identifier. [**String (18)**]
ERP_PLANT_MAINT_ORDER	ERP PM Order identifier. [**String (12)**]
ERP_NOTIFICATION_TYPE	ERP notification type: M1, M2 [**String (2)**]

COLUMN	Description/Default
ERP_NOTIFICATION_ID	Notification identifier assigned by ERP. [**String (12)**]
START_DATE_TIME	Notification start date-time/ [**DATE_TIME**]
END_DATE_TIME	Notification end date-time/ [**DATE_TIME**]
BREAKDOWN	Boolean field, defines if it is a breakdown/ [**BOOLEAN**]
COMMENTS	Comments logged by user for the notification. [**String (256)**]
RESOURCE_REASON_CODE_BO	Reference to resource reason code. [**HANDLE**]
RESOURCE_STATUS_LOG_BO	Reference to a downtime record. [**HANDLE**]
PARTITION_DATE	Partition date for table partitioning/ [**DATE_TIME**]

DPMO_CATEGORY

This business object defines the DPMO Category. A Defect code may have a DPMO Category defined.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**HANDLE**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
DPMO_CATEGORY	Defect Categories reflect "opportunity types". (req. 3.1) [**String ([30])**]
DESCRIPTION	The Defect Categories description. [**String (40)**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

DPMO_TRANSFER

This table is used to transfer defect information from WIP to ODS for summarization. WIP NC Events are logged here, but are deleted once summarized in ODS.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for this recprd. [**String (6)**]
SFC **(Required, Key)**	The SFC which was logged. [**String (128)**]
ITEM **(Required, Key)**	The name of the item. [**String (128)**]
ITEM_REVISION **(Required, Key)**	The revision of the item. [**String (5)**]
OPERATION **(Required, Key)**	The operation where LOG occurs. If a defect is logged at inspection, this is the operation responsible for the defect. [**String (36)**]
OPERATION_REVISION **(Required, Key)**	The Operation revision where LOG occured. [**String (20)**]
RESRCE **(Required, Key)**	The resource where LOG occurs. If a defect is logged at inspection, this is the resource responsible for the defect. [**String (36)**]
SHOP_ORDER_BO	The shop order for this SFC. [**HANDLE**]
ROOT_CAUSE_OP **(Required, Key)**	The operation where production occurs. If a defect is logged at inspection, this is the operation responsible for the defect. [**String (36)**]
ROOT_CAUSE_OP_REVISIO N	The Operation revision where LOG occured. [**String (20)**]
PRODUCTION_DATE_TIME **(Required, Key)**	The date the item was produced at the responsible operation. (Can be queried from a previous inserted record into this table when production occured). [**DATE_TIME**]
NC_CODE	The NC code, which was logged. [**String (16)**]

COLUMN	Description/Default
DPMO_CATEGORY	DPMO category assigned to the NC Code. [**String (16)**]
DPMO_OPPORTUNITY_COUNT	DPMO opportunity for this particular DPMO Category. (COMPLETE_QTY * ItemDPMO setup value for "DPMOCategory/Operation")) if Operation is set to <<ALL>>, this field only has a value if SFC_DONE_SCRAPED is set to "true". [**INTEGER**]
COMPLETE_QTY	Qty for the SFC. [**INTEGER**]
DEFECT_COUNT	defect count attached to the nc code. [**INTEGER**]
TIMES_PROCESSED	The number of times this SFC has passed through this step. [**INTEGER**]
SFC_DONE_SCRAPPED **(Required, Key)**	"true" if SFC is done or scraped, otherwise "false". [**BOOLEAN**] [**String (5)**]
DATE_TIME **(Required, Key)**	Time this record was inserted. [**DATE_TIME**]

EARNED_STANDARD

This table defines the earned standard times for an SFC for various steps and operations. This includes the setup and run times expected at those operations. This is a summary table. The detailed actions that make up this summary value are stored in the EARNED_STANDARD_LOG (including the user who claimed the standards).

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
CONTEXT_GBO **(Required, Key)**	This is the context this standard time was earned for. In this release, this can only be an SFC. [**HANDLE**]
QTY	The number of pieces the time was claimed for. [**QTY**]
STANDARD_SETUP_MILLIS	The expected standard setup time (in milliseconds) that this claim was against. This is the value from the SCHEDULE_STANDARD tables. [**INTEGER**]

COLUMN	Description/Default
STANDARD_RUN_MILLIS	The expected standard run time (in milliseconds) that this claim was against. This is the value from the SCHEDULE_STANDARD tables. [**INTEGER**]
EARNED_SETUP_MILLIS	The actual setup time (in milliseconds) claimed as earned by a user. [**INTEGER**]
EARNED_RUN_MILLIS	The actual run time (in milliseconds) claimed as earned by a user. [**INTEGER**]
SETUP_TIME_UNITS	The units of time used to display the setup time. Valid values include: § **Hour (H)** § **Minute (M)** § **Second (S)** [**String (1)**]
RUN_TIME_UNITS	The units of time used to display the run time. Valid values include: § **Hour (H)** § **Minute (M)** § **Second (S)** [**String (1)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

EARNED_STANDARD_LOG

This table defines detailed earned standard actions that took place against a specific SFC (EARNED_STANDARD.CONTEXT_GBO).

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
EARNED_STANDARD_GBO **(Required, Key)**	The parent EARNED_STANDARD record for this detailed action record. [**HANDLE**]
TXN_ID	A unique ID used to associate records created during a single database transaction. [**String(50)**]
CLAIMED_SETUP_MILLIS	The claimed setup time (in milliseconds) made for this earned standards claim. [**INTEGER**]
CLAIMED _RUN_MILLIS	The claimed run time (in milliseconds) made for this earned standards claim. [**INTEGER**]
CLAIMED_DATE_TIME	The date/time this record was claim action was made. [**DATE_TIME**]
USER_BO	The user who performed this claim action. (Expanded Archive Columns: **USER_SITE, USER_ID**) [**HANDLE**]
EARN_ACTION	The specific action that was made against the claimed data for the SFC. Valid values include: § **Claimed (C)** – The earned standards were claimed by user action. § **Awarded (A)** – The standards were awarded to the user automatically (typically on complete). § **Unclaimed (U)** – The standards we unclaimed manually by the user. [**String (1)**]
CLAIM_MODE	Specifies the units used to claim the time. Valid values include: § **Time (T)** – The earned standards were claimed using an absolute amount of time (hours/minutes). § **Percent (P)** – The earned standards were claimed using a percentage of the total. [**String (1)**]
EARN_TRIGGER	Records how the claim was triggered. Valid values include: § **Claim (C)** – The claim was made during the normal earn standards claim process (plugin). § **COMPLETE (M)** - The claim was made automatically as a step is completed. § **RUN_CLAIM (R)** – The claim was made as part of an automatic award. § **SFC_DONE (S)** – The claim was made automatically as the SFC was finished (marked as Done). [**String (1)**]

ECO

The ECO (engineering change order) business object contains a groups of actions to apply to an SFC should that SFC meet certain criteria (Router, Operation, etc.).

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site this ECO is defined in. [**String (6)**]
ECO **(Required, Key)**	The name of this ECO. [**String (412)**]
STATUS	The status of this ECO. Valid values include: § **NEW (NEW)** - New. § **PENDING (PENDING)** - Waiting to be activated. § **ACTIVE (ACTIVE**) - Activated. § **DONE (DONE)** - All captured SFCs processed. § **CANCELLED (CANCELLED)** - Cancelled by user. § **CLOSED (CLOSED)** - Closed by user. [**String (10)**]
SFC_SOURCE_GBO	The Item, Process Lot, or Shop Order which indicates possible SFCs (contained within that GBO) that may be captured by this ECO. [**HANDLE**] (Expanded Archive Columns: **SFC_SOURCE_SITE, SFC_SOURCE_ITEM, SFC_SOURCE_REVISION, SFC_SOURCE_SHOP_ORDER, SFC_SOURCE_PROCESS_LOT**) [**ItemBO, ShopOrderBO, ProcessLotBO**]
COMMENTS	Notes left by the ECO creator. [**String (2048)**]
MESSAGE	A message displayed to the POD operator during an active ECO. [**String (2048)**]
SFC_HOLD	Whether or not this ECO will place its captured SFCs in a hold state from capture to activation. [**BOOLEAN**]
START_DATE	The effective start date of this ECO. No SFCs will be captured prior to this date. [**DATE_TIME**]

COLUMN	Description/Default
END_DATE	The effective end date of this ECO. No SFCs will be captured after this date. [**DATE_TIME**]
ACTUAL_START_DATE	The date that the first SFC was activated. [**DATE_TIME**]
ACTUAL_END_DATE	The date on which the ECO has either finished processing all of its captured SFCs or has been cancelled. [**DATE_TIME**]
HOLD_ID	The hold ID to be used for all SFCs held by this ECO. [**String (20)**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ECO_ACTION_GROUP

Defines a group pf ECO Actions. The SFCs covered by this ECO are stored in the child table ECO_ACTION_GROUP_SFC.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ECO_BO **(Required, Key)**	The ECO this action group belongs to. [**HANDLE**] (Expanded Archive Columns: **ECO_SITE, ECO_ECO**)
ACTION_GROUP_SEQ_ID **(Required, Key)**	A unique action group sequence identifier. [**SEQUENCE**]
MESSAGE	A message to display to the operator when this action group runs. [**String (2048)**]
CAPTURE_ROUTER_BO	The router on which to capture SFC(s). [**HANDLE**] (Expanded Archive Columns: **CAPTURE_ROUTER, CAPTURE_ROUTER_SITE, CAPTURE_ROUTER_TYPE, CAPTURE_ROUTER_REVISION**)

COLUMN	Description/Default
CAPTURE_OPERATION_BO	The operation at which to capture SFC(s). [**HANDLE**] (Expanded Archive Columns: **CAPTURE_OPERATION, CAPTURE_OPERATION_SITE, CAPTURE_OPERATION_REVISION**)
CAPTURE_ROUTER_STEP_BO	The router step at which to capture SFC(s). [**HANDLE**] (Expanded Archive Columns: **CAPTURE_ROUTER_STEP_ID**)
ACTION_ROUTER_BO	The router at which to perform this action group's actions on the captured SFC(s). [**HANDLE**] (Expanded Archive Columns: **ACTION_ROUTER_SITE, ACTION_ROUTER, ACTION_ROUTER_TYPE, ACTION_ROUTER_REVISION**)
ACTION_OPERATION_BO	The operation at which to perform this action group's actions on the captured SFC(s). [**HANDLE**] (Expanded Archive Columns: **ACTION_OPERATION, ACTION_OPERATION_SITE, ACTION_OPERATION_REVISION**)
ACTION_ROUTER_STEP_BO	The router step at which to perform this action group's actions on the captured SFC(s). [**HANDLE**] (Expanded Archive Columns: **ACTION_ROUTER_STEP_ID**)
CAPTURE_QUALIFIER	The state in which an SFC must be in to be captured by this ECO action group. Valid values include: § **INQUEUE (INQUEUE)** - In Queue. § **NOTCOMPLETE (NOTCOMPLETE)** - Not Completed Operation. § **COMPLETE (COMPLETE)** - Completed Operation. § **DONE (DONE)** - Done. § **DEPENDENT (DEPENDENT)** - Dependant on other Action Group. § **UNRELEASED (UNRELEASED)** - Unreleased SFC. § *** (*)** - Any. [**String (20)**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)

ECO_ACTION_GROUP_ACTION

An optional activity to execute upon performing this ECO action.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ECO_ACTION_GROUP_BO **(Required, Key)**	The ECO action group in which this action belongs. [**HANDLE**]
ACTION **(Required, Key)**	The action to perform on this action group's captured SFC(s). Valid values include: § **CHANGE_ITEM (CHANGE_ITEM)** - Change SFC Item. § **CHANGE_BOM (CHANGE_BOM)** - Change SFC BOM. § **CHANGE_ROUTER (CHANGE_ROUTER)** - Change SFC Router. § **CHANGE_SHOPORDER (CHANGE_SHOPORDER)** - Change SFC Shop Order. § **CHANGE_SFC_MAN (CHANGE_SFC_MAN)** - Change SFC number manually. § **CHANGE_SFC_AUTO (CHANGE_SFC_AUTO)** - Change SFC number automatically. [**String (30)**]
SEQUENCE	Action groups may have more than one action. This unique sequence identifier indicates the order in which actions are performed. [**INTEGER**]
TARGET_GBO	The router, shop order, BOM, item, or SFC which is the target of this action. [**HANDLE**] [**SFC_BO, ITEM_BO, BOM_BO, SHOP_ORDER_BO, ROUTER_BO**]
TARGET_OPERATION_BO	When the TARGET_GBO is a router, this is the operation to which the captured SFC will be moved. [**OperationBO**] [**HANDLE**] (Expanded Archive Columns: **TARGET_OPERATION, TARGET_OPERATION_SITE, TARGET_OPERATION_REVISION**)
TARGET_ROUTER_STEP_BO	When the TARGET_GBO is a router, this is the router step to which the captured SFC will be moved. [**RouterStepBO**] [**HANDLE**] (Expanded Archive Columns: **TARGET_ROUTER_STEP_ID**)
MESSAGE_TYPE_BO	An optional message to send upon completion of this ECO action. [**HANDLE**] (Expanded Archive Columns: **ALARM_TYPE_CONFIG, ALARM_TYPE_CONFIG_SITE, ALARM_TYPE_CONFIG_TYPE_SPECIFIC, ALARM_TYPE_CONFIG_ALARM_TYPE**)
ACTIVITY_BO	An optional activity to execute upon completion of this ECO action. [**HANDLE**] (Expanded Archive Columns: **ACTIVITY**)

COLUMN	Description/Default
MESSAGE	A message to display to the operator upon performing this ECO action. [**String (2048)**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)

ECO_ACTION_GROUP_SFC

This table contains the SFCs covered by the parent ECO Action group.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ECO_ACTION_GROUP_BO **(Required, Key)**	The ECO action group in which this captured SFC belongs. [**HANDLE**]
SFC_BO **(Required, Key)**	The captured SFC. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
ECO_BO	The ECO in which this captured SFC belongs. [**HANDLE**] (Expanded Archive Columns: **ECO, ECO_SITE**)
NOTES	Notes entered by the ECO creator. Not shown to the operator. [**String (2048)**]
STATUS	The status of this captured SFC. Valid values include: § **PASS (PASS)** - all actions performed successfully. § **FAIL (FAIL)** - one or more actions failed. [**String (10)**]
COMPLETED_DATE_TIME	The date/time that the actions performed on this captured SFC was completed. [**DATE_TIME**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
OPERATION_BO	The operation at which this SFC was acted upon. [**HANDLE**] (Expanded Archive Columns: **OPERATION, OPERATION_SITE, OPERATION_REVISION**)

COLUMN	Description/Default
RESOURCE_BO	The resource at which this SFC was acted upon. [**HANDLE**] (Expanded Archive Columns: **RESRCE, RESOURCE_SITE**)
WORK_CENTER_BO	The work center at which this SFC was acted upon. [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER, WORK_CENTER_SITE**)

ECO_ACTIVE_SFC

This business object represents a link between an active ECO and a captured SFC.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ECO_BO **(Required, Key)**	The active ECO that has captured this SFC. [**HANDLE**] (Expanded Archive Columns: **ECO, ECO_SITE**)
SFC_BO **(Required, Key)**	The captured SFC within this ECO. [**HANDLE**] (Expanded Archive Columns: **SFC, SFC_SITE**)
ECO_ACTION_GROUP_BO **(Required, Key)**	The ECO action group under which this SFC was captured. [**HANDLE**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
PROCESSED	An indicator whether or not this SFC is currently being processed. [**String (1)**]

ECO_DETAIL

Contains the detail information for a single object affected by the ECO (Engineering Change Order).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ECOLOG_BO **(Required, Key)**	The parent ECOLogBO for this Detail record. [**HANDLE**]
ECOCONTEXT_GBO **(Required, Key)**	The object affected by this ECO entry. [**HANDLE**] [**SFCBO, ShopOrderBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ECO_LOG

This business object logs Engineering Change Orders (ECOs). These are changes to the routing or BOM for SFCs and Shop Orders that are in work. This object contains a sub-object, which is a list of SFCs and Shop Orders that were affected by this ECO.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site in which this event took place. [**String (6)**]
ECO	The Engineering Change Order (ECO) ID. This normally provided by external systems and issued to change the ECO. [**String (26)**]
USER_BO **(Required, Key)**	The user that logged the ECO. [**HANDLE**]
COMMENTS	The user's comments. [**String (2048)**]
DATE_TIME **(Required, Key)**	The date/time the ECO was entered.
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ECO_STANDING

A Standing ECO utilizes an "Unreleased" capture qualifier to capture SFCs as they are released from the specified router/operation.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ECO_BO **(Required, Key)**	The ECO that is capturing unreleased SFCs. [**HANDLE**] (Expanded Archive Columns: **ECO, ECO_SITE**)
ECO_ACTION_GROUP_BO **(Required, Key)**	The ECO action group that contains the unreleased capture qualifier. [**HANDLE**]
USER_BO	The user that created this ECO. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
SFC_SOURCE_GBO	The ECO (engineering change order) business object contains a groups of actions to apply to an SFC should that SFC meet certain criteria (Router, Operation, etc.). [**HANDLE**] (Expanded Archive Columns: **SFC_SOURCE_SITE, SFC_SOURCE_ITEM, SFC_SOURCE_REVISION, SFC_SOURCE_SHOP_ORDER, SFC_SOURCE_PROCESS_LOT**)

ERP_ACTUAL_OPER_TIME_LOG

This table will contain the rows of data that have been created when first SFC number is started on current step and is updated when the last SFC number from order is completed on current step.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The actual operation time log handle. It contains actual operation time log unique value (contains SHOP_ORDER_BO, ROUTER_STEP_BO and COUNT). [**HANDLE**]
SHOP_ORDER_BO	The shop order reference [**HANDLE**]

COLUMN	Description/Default
ROUTER_STEP_BO	The router step reference [**HANDLE**]
STARTED_DATE	It has current GMT time when the first SFC number from order is started on the current router step. [**DATE_TIME**]
COMPLETED_DATE	It contains current GMT time when the last SFC number from order is completed on the current router step [**DATE_TIME**]
ORDER_STARTED	The order is started on current router step. [**Boolean**]
ORDER_COMPLETED	The order is started on current router step. [**Boolean**]
COUNT	It indicates how many times the order is started on the current router step. [**INTEGER**]

ERP_CONTROL_KEY

This business object identifies ERP Control Keys used by ME objects. Control Keys are typically used within routings in ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site in which this event took place. [**String (6)**]
CONTROL_KEY **(Required, Key)**	The ERP Control Key ID. [**String(4)**]
DESCRIPTION	The description of the ERP Control Key. [**String (40)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
CONFIRMATION	Confirmation for Control key. [**String(1)**]

ERP_ME_OBJECT

This business object identifies SAP ME objects that originate in ERP. This table controls how those objects react to changes in the ERP data.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site in which this event took place. [**String (6)**]
TABLE_NAME **(Required, Key)**	The SAP ME object's table name. [**String(64)**]
SOURCE_DTO_CLASS_NAME	The source DTO class that is the primary input object within ME. [**String (256)**]
IS_VERSION_RELEVANT	If 'true', then this ME object is version controlled. [**Boolean**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ERP_FIELDS_DETAIL

This business object identifies the specific fields for SAP ME objects that originate in ERP. This object defines how changes to field in ERP affects SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ERP_ME_OBJECT_BO **(Required, Key)**	The ME object parent record for this field. [**Handle**]

COLUMN	Description/Default
FIELD_NAME **(Required, Key)**	The SAP ME field name. [**String(256)**]
SIGNIFICANCE	This identifies the significance of the change in ERP and how ME will react to this change. The source DTO class that is the primary input object within ME. Valid values include: § **No Changes (N)** – Changes in the ERP value will not be made in SAP ME. § **Update (I)** – Changes in ERP will be made in place in the ME object. No up version is needed. § **UpVersion (S)** – Changes in ERP will be made in a new version of the ME. § **Restricted (R)** – Changes in ERP are not allowed in ME. § **Hidden (H)** – Changes in ERP are ignored. [**String(1)**]
IS_EDITABLE	If 'true', then the user in SAP ME can change the settings of this field. [**Boolean**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DateTime**]
CREATED_DATE_TIME	The date/time this record was created. [**DateTime**]

ERP_PROFILE

This business object identifies the Profile for SAP ME objects that originate in ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ERP_PROFILE **(Required, Key)**	The ME object parent record for this field. [**String(30)**]
DESCRIPTION	The SAP ME field name. [**String(256)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DateTime**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DateTime**]

ERP_PROFILE_ITEM

This business object identifies items associated to a Profile that originates in ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ERP_PROFILE_BO **(Required, Key)**	The profile that associated with an item. [**Handle**]
ITEM **(Required, Key)**	Item name. [**String(128)**]

ERP_PROFILE_SELECTION_RULE

This business object identifies Selection rules associated to a Profile that originates in ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ERP_PROFILE_BO **(Required, Key)**	The profile associated with a selection rule. [**Handle**]
SELECTION_RULE	Selection Rule name. [**String(30)**]
DESCRIPTION	The description for Selection Rule. [**String(40)**]

ETL_CONFIG

Defines the configuration for the Extract, Transform and Load rollup process used by the failure history aggregate table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
EXTRACT_ID	The ID for this extraction process. [**String (60)**]
LAST_RAN_DATE_TIME	The date/time the failure history ETL last ran. [**DATE_TIME**]
LAST_DATA_DATE_TIME	The date/time the ETL last ran and new data was found to summarize. [**DATE_TIME**]
BASE_FACT_TABLE	The basic fact table name (e.g NC_DATA). [**String (128)**]
BASE_FACT_RETENTION	The number of days to retain the facts in the fact table (not used in this release). [**LONG**]
AGGREGATE_FACT_TABLE	The name of the aggregate table where the facts are summarized (e.g. FAILHIST_AGG_FACT). [**String (128)**]

ETL_ERRORS

Contains errors found while running the Extract, Transform and Load process for the FAILHIST_AGG_FACT table (failure history summary).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
EXTRACT_ID	The ID for this extraction process. [**String (60)**]
HANDLE	The handle for this record. [**HANDLE**]

EXEC_DB

This business object defines the ExecDashboard Object.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
NAME **(Required, Key)**	The ID (name) of this executive dashboard. [**String (6)**]
DESCRIPTION	The description of this object. [**String (40)**]
USER_BO	The user this dashboard is configured for. [**HANDLE**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

EXEC_DB_DATA

Defines the user-specified values used to display the reports in the dashboard. This includes values for Work Centers, Site, etc.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**HANDLE**]
EXEC_DB_OR_PORTLET_GBO **(Required, Key)**	Handle of an EXEC_DB_BO record for global parameters, or an EXEC_DB_PORTLET_BO record for portlet parameters. [**HANDLE**]
NAME **(Required, Key)**	The parameter name (e.g. SITE). [**String (36)**]
VALUE	The value of the parameter. [**String (256)**]

COLUMN	Description/Default
USE_COMMON	Used only for EXEC_DB_BO records. If "true", then this paramter is a global value that is to be passed to all portlets. [**BOOLEAN**]

EXEC_DB_PORTLET

Defines a specific report/object to display in the executive dashboard.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
EXEC_DB_BO **(Required, Key)**	The executive dashboard this portlet belongs in. [**HANDLE**]
PORTLET_NAME **(Required, Key)**	The name of the portlet. [**String (32)**]
PORTLET_CONFIG_BO	The portlet configuration object this definition is used on. [**HANDLE**]
SEQUENCE_NUMBER	Controls the order the portlet is displayed in. [**SEQUENCE**]
DESCRIPTION	The description of this portlet. [**String (40)**]
URI	The URI (browser location) of this portlet. [**String (256)**]
NEW_ROW	If "true", then this portlet starts a new row in the dahsboard window. [**BOOLEAN**]
PORTLET_SIZE	The size of the portlet (SMALL, MEDIUM or LARGE). [**String (16)**]
REFRESH_RATE	The number of seconds before automatic refresh. [**String (8)**]

EXPORT_TEMPLATE

This business object defines the template to an item or item group objects in exporting.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
TEMPLATE_NAME	The template. [**String (128)**]
OBJECT	The object. [**String (128)**]
DESCRIPTION	The description of this template. [**String (40)**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
SITE	The site for this template. Prior templates were cross-site. [**String (6)**]
TRANSFER_DATA_TYPE	This field is used to define the type of the template. "S" is for SFC transfer data and "C" is for Configuration data. Valid values include: § **SFC transfer data (S)** - SFC transfer data. § **Configuration data (C)** - Configuration data. [**String (1)**]

EXPORT_TEMPLATE_MEMBER

Contains Items or Item groups that belong to the export template.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**String (412)**]
EXPORT_TEMPLATE_BO	The parent template for this record. [**HANDLE**]
MEMBER	The object that is part of this template (Router, BOM, Item etc). [**String (128)**]

EXTENSION

This business object defines a specific extension created by a customer to execute custom code at the given extension point. This extension is executed at pre-defined extension points. This allows customer extension to be executed before and after specific service API executions in ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
SITE	The site for this extension. [**String (6)**]
EXTENSION_NAME	The extension name (ID). This is usually assigned by the user. [**String (100)**]
EXTENSION_POINT_BO	The extension point this this extension is executed before or after. [**Handle**]
ACTIVITY_BO	The activity to execute when this extension is triggered. This is normally a custom activity. [**Handle**]
VENDOR_ID	This is used to identify the vendor associated with this customization. This is typically a company name. [**String (256)**]
SEQUENCE	The sequence this extension should be executed in. [**Integer**]
ENABLED	If 'true', then this extension is enabled and will be executed. [**Boolean**]
ASYNC	If 'true', then this extension will be executed after the API call has completed. This is executed outside of the original transaction. [**Boolean**]
INVOCATION_TYPE	Indicates at what point in the transaction extension must be invoked. Valid values include: § **PRE** – Executed before the extension point (API). § **POST** – Executed after the extension point (API). § **EXCEPTION** - Executed if the extension point (API) throws an exception. [**String(20)**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]

EXTENSION_FILTER

This business object defines a filter for mediating extension execution. Filter criteria can be either contextual or based on the target API input parameter (DTO). Contextual criteria are defined within this object and include site, user, and activity. Each extension may have multiple filters. The result of each filter is processed as logical OR to determine the total outcome of all filters.

All specific filter criteria defined within a filter instance are processed as logical AND. The specific filter criteria are stored in the EXTENSION_FILTER_FIELD table.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
FILTER_NAME	The filter name. [**String (6)**]
EXTENSION_BO	The extension this filter is defined for. [**Handle**]
ENABLED	If 'true', then this extension filter is enabled and will be used to determine if the extension is executed. [**Boolean**]

EXTENSION_FILTER_FIELD

This business object defines the specific filter criteria for an extension filter.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
EXTENSION_FILTER_BO	The extension filter this field value is defined for. [**Handle**]
FILTER_FIELD_NAME	Name of the field to compare the value to. The field is used at runtime to determine if the filter matches. The value of this field is either from the input object(s) or some context value. [**String (60)**]
FILTER_VALUE	The value to compare to at runtime. This is the expected value. If it matches the value obtained at runtime, then the filter is considered to be a 'match'. [**String(1024)**]

COLUMN	Description/Default
FILTER_CONTEXT_GBO	Value of the extension option for fields that represent references to other ME objects. [**Handle(ActivityBO, BOMComponentBO, RouterStepBO, OperationBO, ResourceBO, NCCodeBO, WorkstationBO,SFCBO, UserBO)**]

EXTENSION_OPTION

This business object defines an extension option. Extension options represent configuration parameters that are made available to the extension code (activity) at runtime. It is assumed that the customer activity will make use of these options. ME simply passes the values to the activity. These options are similar to typical SAP ME custom fields.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
EXTENSION_BO	The extension this option is defined for. [**Handle**]
OPTION_NAME	The option name. This is user defined. [**String (60)**]
OPTION_VALUE	The value to of the option. [**String(1024)**]

EXTENSION_POINT

This business object defines a point where extensions can be linked in to some processing performed for a specific object. This is typically a service as defined in SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**String (412)**]
EXTENSION_POINT	The extension point name. [**String(200)**]
ENABLED	If ‘true’, then this extension point is enabled. [**Boolean**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]

FAILHIST_AGG_FACT

Contains the summarization of failures over time. This uses the failure history Extract, Transform and Load (ETL) process to summarize data from the NC_DATA table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
LOCATION_DIM	A reference to the LOCATION dimension record in the LOCATION_DIM table. [**LONG**]
TIME_DIM	A reference to the TIME dimension record in the TIME_DIM table. [**LONG**]
INCIDENT_LOC_DIM	A reference to the incident's LOCATION dimension record in the LOCATION_DIM table. [**LONG**]
INCIDENT_TIME_DIM	A reference to the NC incident's TIME dimension record in the TIME_DIM table. [**LONG**]
ORDER_DIM	A reference to the Shop ORDER dimension record in the ORDER_DIM table. [**LONG**]
PRODUCT_DIM	A reference to the PRODUCT (item) dimension record in the PRODUCT_DIM table. [**LONG**]
COMPONENT_DIM	A reference to the COMPONENT dimension record in the COMPONENT_DIM table. [**LONG**]
NC_DIM	A reference to the NC Code dimension record in the NC_DIM table. [**LONG**]
NC_PARENT_DIM	A reference to the NC Code (for the parent record) dimension record in the NC_DIM table. [**LONG**]

COLUMN	Description/Default
NC_GRANDPARENT_DIM	A reference to the NC Code (for the grandparent NC) dimension record in the NC_DIM table. [**LONG**]
NC_INCIDENT_DIM	A reference to the NC Code (for the initial NC) dimension record in the NC_DIM table. [**LONG**]
FAILURE_ID	The Failure ID from the NC_DATA record that was logged (usually from a tester). [**String (40)**]
REF_DES	The Refernce Designator this NC was logged at. [**String (36)**]
REF_DES_LIST	The list of Refernce Designators (comma-delimited) that were logged for for this NC. [**String (412)**]
TIMES_PROCESSED	The number of times the SFC was processed through the operation. [**INTEGER**]
SFC_QTY	The number of pieces that were failed. [**FLOAT**]
NC_QTY	The number of NC_DATA records logged. [**FLOAT**]

FAILURE_TRACKING_CONFIG

This business object saves/retrieves the FTconfiguration for the given site and name.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
DESCRIPTION	Description for this FailureTracking Config. [**String (40)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
LIST_CONFIG_BO	Handle to the ListConfigBO. [**String (412)**] [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

COLUMN	Description/Default
NAME **(Required, Key)**	Name for this FaiulureTrackingConfiguration. [**String (36)**]
SITE **(Required, Key)**	The Site. [**String (6)**]

FAILURE_TRACKING_CONFIG_VALUES

This business object defines the name/value pairs for the FailuireTrackingConfigBO.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
FAILURE_TRACKING_CONFIG_BO **(Required, Key)**	The parent objects handle. [**String (412)**] [**HANDLE**]
NAME **(Required, Key)**	Name for the value. [**String (26)**]
VALUE	Hold the value for the given name. [**String (1024)**]

FAILURE_TRACKING_WORK_INSTR

Defines specific work instruction(s) to display for a specific Failure Tracking client (e.g. Log NC).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The record's handle. [**HANDLE**]
SEQUENCE **(Required, Key)**	The Sequence the work instruction is displayed in. [**LONG**]
FAILURE_TRACKING_CONFIG_BO **(Required, Key)**	The parent client configuration this work instruction is associated with. [**HANDLE**]

COLUMN	Description/Default
WORK_INSTRUCTION_BO	The work instruction itself. [**HANDLE**]

FILE_ATTACHMENT

This table defines information about file attachments for BO. To be maintained from File Attachment Plugin.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the INTERNAL_ID. [**HANDLE**]
INTERNAL_ID	Unique File ID created by pattern: {FILE_NAME(40 symbols)-{USER(name)}-{datetime in millisecond}. If GBO does not exist adds word “NONE”. [**String (256)**]
EXTERNAL_ID	File ID generated by external system (received from Content Server) [**String (1024)**]
ATTACHED_TO_GBO	BO to which the file is attached [**HANDLE**]
STORAGE_TYPE	Storage location (internal, DMS, Content Server, shared folder) [**String (1)**]
SEQUENCE	Indicates how many attachments for current BO attached in current session (for GUI sorting). [**LONG**]
FILE_NAME	File name with extension. [**String (1024)**]
FILE_SIZE	File size in bytes. [**LONG**]
MIMETYPE	Mime-type of uploaded file. [**String (100)**]
DELETED_BY	The name of the user who has deleted the file. [**HANDLE**]

COLUMN	Description/Default
USER_BO	The name of the user who has uploaded the file. [**HANDLE**]
STATE	State (New by default. Could be New, Viewed, Obsolete. Can be changed only using API so far.). [**String (1)**]
DESCRIPTION	Description/comment for uploaded file [**String (1024)**]
LOCKED	Locked flag. If file is locked, the system does not allow to delete attached file, otherwise binary will be deleted in internal DB or send request for deletion to external system. **[BOOLEAN]**
URL	External url for download from external system(DMS, Content Server). [**String (1024)**]
CREATED_DATE_TIME	Date / time of creation [**DATE_TIME**]
MODIFIED_DATE_TIME	Date / time of modification [**DATE_TIME**]

FILE_ATTACHMENT_DETAIL

This table defines file attachment binary. To be maintained from File Attachment Plugin.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the `FILE_ATTACHMENT_BO`. [**HANDLE**]
FILE_ATTACHMENT_BO	Reference to parent record. [**HANDLE**]
FILE_CONTENT	File in binary format. [**BLOB**]
CREATED_DATE_TIME	Date / time of creation. [**DATE_TIME**]

HOLD_DETAIL

The details on what a hold affected (includes SFCs, Items, Router, etc). See HoldContextGBO for details of what objects may have a hold placed against them.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HOLD_LOG_BO **(Required, Key)**	The parent HoldLog entry for this detail. [**HANDLE**]
HOLD_CONTEXT_G_BO **(Required, Key)**	The object that was held (req. 7.13.7.6.1). The support object till the current release is SFCBO. In future, ShopOrderBO, ROuterBO and ItemBO will be stored in this field. [**HANDLE**] [**SFCBO**]
ORIGINAL_STATUS_BO	The HoldContextGBO's original Status. (When the hold is released, it will be returned to that status). [**StatusBO**] [**HANDLE**]
HOLD_STATUS_BO	The status this object was set to when the hold was placed. [**StatusBO**] [**HANDLE**] (Expanded Archive Columns:)
RELEASED	True if the hold has been released for this specific object (req. 7.13.7.6.2). [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
RELEASE_COMMENTS	The users comments logged during release. [**String (2048)**]
RELEASED_DATE_TIME	The date/time the hold was released. (If null, then the hold is still in place) (req. 7.13.7.5). [**DATE_TIME**]
RELEASED_BY_BO	The user that released the hold. [**UserBO**] [**HANDLE**]
REASON_CODE_BO **(Required, Key)**	The reason code for the hold. [**HANDLE**]
HOLD_TYPE	The type of the Hold. Valid values include: § **Immediate (I)** - Immediate Hold. § **Future (F)** - Future Hold. [**String (1)**]

HOLD_DETAIL_STEP

The future hold details.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HOLD_DETAIL_BO **(Required, Key)**	The Hold detail handle. [**HoldDetailBO**] [**HANDLE**]
SFC_STEP_BO **(Required, Key)**	The handle for the SFC Step. [**SFCStepBO**] [**HANDLE**]
FUTURE_HOLD_STATUS_BO	The handle for the future hold status. [**HANDLE**]
IS_PENDING	"false" if the hold has been released for this specific object. [**BOOLEAN**]
RELEASE_COMMENTS	The users comments logged during release. [**String (2048)**]
RELEASED_DATE_TIME	The date/time the hold was released. (If null, then the hold is still in place) (req. 7.13.7.5). [**DATE_TIME**]
RELEASED_BY_BO	The user that released the hold. [**UserBO**] [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

HOLD_LOG

This log contains the details for specific HOLDs placed on SFCs, Items, Routers, Resources and other objects. This includes details on the Hold, when it was released, who released it and what objects were affected by the Hold.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site this hold has initiated in. [**String (6)**]
HOLD_ID **(Required, Key)**	A unique Hold ID assigned to this incident. This is a calculated value. It is set to the highest HoldID in use plus 1. May not be passed in when placing a hold (place()) (req. 7.13.7.1). [**String (20)**]
USER_BO	The User that placed the hold (req. 7.13.7.3). [**HANDLE**]
COMMENTS	The user's comments on the hold (req. 7.13.7.2). [**String (2048)**]
DATE_TIME	The Date/Time the hold was placed (req. 7.13.7.3).
EXPECTED_RELEASE_DATE_TIME	The date/time the hold is expected to be released (req. 7.13.7.4). [**DATE_TIME**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

HOLIDAY

This business object defines business holidays. This allows specific days to be defined as a holiday with specific classes or settings. There is no GUI available at this time for these records, but they will be populated for each site via the IDAT file and may be updated using Xchange.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**HANDLE**]
SITE **(Required, Key)**	This object's site. [**String (6)**]

COLUMN	Description/Default
HOLIDAY_DATE **(Required, Key)**	Calendar date string "YYYYMMDD" of the holiday. All numeric characters. Exception for holidays that span years. They will consist of "*MMDD" so that the year is wild carded. [**String (8)**]
HOLIDAY_YEAR	Calendar year of the holiday. Holidays that span years will have '*' in this field. Example: July 4th will have a "*" in this field, but President's day will have the actual year, because the actual date of that holiday differs from year to year. Must be in 4 digit string format. "YYYY". Will be populated automatically at creation from HOLIDAY_DATE. This and the two following fields will be used for selection of groups of records. All numeric. Calculated value. [**String (4)**]
HOLIDAY_MONTH	String representation of the numerical month of the holiday. No wildcard is allowed. Must be in 2 digit string format. "MM" Will be populated automatically at creation from HOLIDAY_DATE. All numeric. Calculated value. [**String (2)**]
HOLIDAY_DAY	String representation of the numerical day of the month of the holiday. Must be in 2-digit string format. "DD" Will be populated automatically at creation from HOLIDAY_DATE. All numeric. Calculated value. [**String (2)**]
NAME	Holiday name. All uppercase. [**String (40)**]
DESCRIPTION	Holiday description. [**String (40)**]
PRODUCTION_DAY	Production Day field. [**String (1)**]
PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO. [**HANDLE**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

HOOK

This business object defines a hook. A hook basically links together (i.e. hooks) an activity to an object. The hook is executed at pre-defined hook points.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ACTIVITY_BO	The activity to be invoked when this hook point is triggered for the given context. [**HANDLE**]
PROCESSING_OPTION	This attribute is used to specify how the activity for the hook is to be executed. **Not used in this release.** Valid values include: § **Independent (I)** - Indicates that the activity is to be executed completely independent of the current transactional context. In addition, the activity is executed without waiting for the activity to return. § **No Wait (N)** - The activity is executed asynchronously. This function is different from Independent in that the activity can participate in a transaction context. § **Wait with Stop (S)** - The activity is executed synchronously. In addition, if the activity fails (i.e. returns the appropriate return code), the hook point sequence is terminated and the transaction is rolled back. (**req. 1.7.8.1**). § **Wait without Stop (W)** - The activity is executed synchronously, however, the activity cannot halt the hook point sequence or rollback the transaction. [**String (1)**]
USER_ARGUMENT	Optional data passed along with the hook to the activity to be executed. [**String (256)**]
HOOK_POINT_BO **(Required, Key)**	The point where the hook activity is invoked. [**HANDLE**]
CONTEXT_GBO **(Required, Key)**	Handle to the specific business object for which the hook is defined. See the Application Architecture document for details. [**HANDLE**] [**RouterStepBO, OperationBO, ResourceBO, WorkstationBO, RouterBO, NextNumberBO, BOMComponentBO, DispositionBO, ActivityBO**]
ENABLED	Boolean flag indicating if this hook is enabled or disabled. [**BOOLEAN**]
SEQUENCE **(Required, Key)**	Integer sequence for execution of this hook relative to other defined hooks for this hook point. [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

HOOK_POINT

This business object defines a point where hooks can be linked in to some processing performed for a specific object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
HOOK_POINT **(Required, Key)**	Name of the hook point. The name implies the point in the process at which the hook point is invoked. [**String (20)**]
DESCRIPTION	Description of the hook point. [**String (40)**]
ENABLED	Indicates if the hook point is enabled or disabled. [**BOOLEAN**]
INPUT_DTO_CLASS	The Java package and class name for the DTO that is the input to this hook point. [**String (256)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

HOOK_POINT_CONTEXT

This business object defines a valid context type for a hook point. The context is basically the tag name of a business object that can use the hook point.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
CONTEXT_TYPE **(Required, Key)**	Tag name of the business object that is a valid context for the hook point. [**String (256)**]
HOOK_POINT_BO **(Required, Key)**	Hook point this context is for. [**HANDLE**]

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

HTTP_SERVER

Defines an HTTP Server for server to server communications.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
HOST_NAME **(Required, Key)**	The host name. [**String (96)**]
LISTEN_PORT	The port the server is listening on. [**INTEGER**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

ID_USED

This business object defines the mechanism used to record ID's (SFCs, Shop Orders and Process Lots) for long-term retention.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site this ID was created in (ignored). [**String (6)**]
ID **(Required, Key)**	The ID that was created (normally an SFC, Shop Order or Process Lot ID). [**String (128)**]

COLUMN	Description/Default
ID_TYPE **(Required, Key)**	The type of ID. Valid values include: § **SFC (S)** - An SFC ID. § **Shop Order (H)** - A Shop Order ID. § **Process Lot (P)** - A Process Lot ID. § **RMA (R)** - RMA Number. § **CustomerOrder (U)** - Customer Order. § **InventoryID (V)** - Inventory ID. [**String (1)**]
CREATE_DATE	The date/time this ID was created. [**DATE_TIME**]
ARCHIVED	True if the data associated with this ID has been archived. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

INCIDENT_NUMBER

Defines a unique Incident number for non-conformance tracking.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required, Key)**	Handle associated with NC incident. [**HANDLE**]
SITE **(Required, Key)**	Site. [**String (6)**]
INCIDENT_NUMBER **(Required, Key)**	The name of the incident number. [**String (36)**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]

INVENTORY

This business object defines the basic inventory unit for use in component assembly in SAP ME.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site this inventory is stored in (and is available to). [**String (6)**]
INVENTORY_ID **(Required, Key)**	Unique inventory identifier (normally an SFC). [**String (128)**]
INVENTORY_CONTEXT_GBO	A BO Handle to the object associated with this inventory (normally and SFCBO). May be empty for purchased components. [**HANDLE**] [**SFCBO**]
ITEM_BO	The component (item) that is inventoried. [**HANDLE**] (Expanded Archive Columns: **ITEM, ITEM_REVISION, ITEM_SITE**)
DESCRIPTION	Unused in this release. [**String (128)**]
STATUS_BO	The status of this inventory record. [**HANDLE**] (Expanded Archive Columns: **STATUS_SITE, STATUS**)
QTY_ON_HAND	Total quantity on hand of this component. This includes any reserved quantity. [**QTY**]
ASSY_DATA_TYPE_BO	Type of assembly data that is collected for this inventory unit. [**HANDLE**] (Expanded Archive Columns: **ASSY_DATA_TYPE, ASSY_DATA_TYPE_SITE**)
USAGE_COUNT	Counts how many times this component was used in an assembly. [**INTEGER**]
MAXIMUM_USAGE	Indicates the current usage of a particular ITEM. This is normally verified against the MAXIMUM_USAGE in ITEM [**INTEGER**]
HAS_BEEN_USED	'true' if this inventory record has been used at least once. Used to limit changes to the record after first usage. [**BOOLEAN**]
ORIGINAL_QTY	The QTY originally received into this inventory record. [**QTY**]
ORIGINAL_USER_BO	The original user that received this inventory record. [**HANDLE**] (Expanded Archive Columns: **ORIGINAL_USER_SITE, ORIGINAL_USER_USER, ORIGINAL_USER_SITE**)

COLUMN	Description/Default
RECEIVE_DATE_TIME	The date/time this inventory record was originally received on. [**DATE_TIME**]
WORK_CENTER_LOC_BO	The work center this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER_LOC_SITE, WORK_CENTER_LOC**)
WORK_CENTER_LOC_RES	'true' if this inventory record is reserved for this specific work center location. [**BOOLEAN**]
OPERATION_LOC_BO	The operation this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **OPERATION_LOC_SITE, OPERATION_LOC, OPERATION_LOC_REVISION**)
OPERATION_LOC_RES	'true' if this inventory record is reserved for this specific operation location. [**BOOLEAN**]
RESOURCE_LOC_BO	The resource this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **RESOURCE_LOC_SITE, RESOURCE_LOC**)
RESOURCE_LOC_RES	'true' if this inventory record is reserved for this specific resource location. [**BOOLEAN**]
SHOP_ORDER_LOC_BO	The shop order this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_LOC_SITE, SHOP_ORDER_LOC**)
SHOP_ORDER_LOC_RES	'true' if this inventory record is reserved for this specific shop order. [**BOOLEAN**]
SHOP_ORDER_SET_BY_ERP	If ‘true’, the Shop Order in this record was set by ERP. [**BOOLEAN**]
STORAGE_LOCATION_BO	The inventory storage location. This is typically defined in ERP. [**HANDLE**]
ERP_INVENTORY	If ‘true’, this inventory record was created by the ERP system. [**BOOLEAN**]
PARENT_INVENTORY_BO	The inventory record this was split or created from. [**HANDLE**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]

INVENTORY_ASSY_DATA

This business object defines assembly data that has been recorded for the parent inventory unit.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
INVENTORY_BO **(Required, Key)**	Parent. [**HANDLE**]
SEQUENCE **(Required, Key)**	Sequential value used as part of the key. [**INTEGER**]
DATA_FIELD	String identifying the type of data recorded (for example, 'Vendor Lot', 'Vendor', etc.). [**String (60)**]
DATA_ATTR	The corresponding data associated with the above type. [**String (1024)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

INVENTORY_EXT_DATA

This table keeps additional information for INVENTORY that comes from EWM.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required, Key)**	Handle reference. [**HANDLE**]
INVENTORY_BO **(Required)**	Reference to inventory BO. [**HANDLE**]
WAREHOUSE_TASK_ID **(Required)**	Warehouse task ID. [**String (12)**]
RESERVATION_ITEM_NUMBER **(Required)**	Reservation item number. [**String (4)**]

COLUMN	Description/Default
QTY_REQUESTED	Inventory QTY [**FLOAT**]
PRODUCTION_SUPPLY_AREA	Production supply area. [**String (10)**]
HU_NUMBER	HU number. [**String (20)**]
PARENT_HU_NUMBER	Parent HU number. [**String (20)**]
IS_EWM	Is Inventory from EWM system? [**BOOLEAN**]
SERIAL_NUMBER	Serial number for this inventory. [**String (128)**]

INVENTORY_LOG

This table contains detail records for edits made to Inventory record for specific actions. These actions are triggered by Inventory Maintenance.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site this inventory is stored in (and is available to). [**String (6)**]
INVENTORY_BO **(Required, Key)**	The INVENTORY record this edit took place on. [**HANDLE**] (Expanded Archive Columns: **SITE, INVENTORY_ID**)
INVENTORY_CONTEXT_GBO	A BO Handle to the object associated with this inventory (normally and SFCBO). May be empty for purchased components. [**HANDLE**] [**SFCBO**]
ITEM_BO	The component (item) that is inventoried. [**HANDLE**] (Expanded Archive Columns: **ITEM, ITEM_REVISION, ITEM_SITE**)

COLUMN	Description/Default
STATUS_BO	The status of this inventory record. [**HANDLE**] (Expanded Archive Columns: **STATUS_SITE, STATUS**)
ORIGINAL_QTY	The QTY originally received into this inventory record. [**QTY**]
QTY_ON_HAND	Total quantity on hand of this component. This includes any reserved quantity. [**QTY**]
INV_ASSY_DATA_TYPE_BO	Type of assembly data that is collected for this inventory unit. [**HANDLE**] (Expanded Archive Columns: **INVENTORY_ASSY_DATA_SITE, INVENTORY_ASSY_DATA_INV_ID, INVENTORY_ASSY_DATA_SEQUENCE**)
USER_BO	The original user that received this inventory record. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
DATE_TIME	The date/time this inventory record was originally received on. [**DATE_TIME**]
WORK_CENTER_LOC_BO	The work center this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER_LOC_SITE, WORK_CENTER_LOC**)
WORK_CENTER_LOC_RES	'true' if this inventory record is reserved for this specific work center location. [**BOOLEAN**]
OPERATION_LOC_BO	The operation this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **OPERATION_LOC_SITE, OPERATION_LOC, OPERATION_LOC_REVISION**)
OPERATION_LOC_RES	'true' if this inventory record is reserved for this specific operation location. [**BOOLEAN**]
RESOURCE_LOC_BO	The resource this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **RESOURCE_LOC_SITE, RESOURCE_LOC**)
RESOURCE_LOC_RES	'true' if this inventory record is reserved for this specific resource location. [**BOOLEAN**]
SHOP_ORDER_LOC_BO	The shop order this inventory record is located in (might be reserved). [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_LOC_SITE, SHOP_ORDER_LOC**)
SHOP_ORDER_LOC_RES	'true' if this inventory record is reserved for this specific shop order. [**BOOLEAN**]

COLUMN	Description/Default
REASON_CODE_BO	The reason code for the edit. [**HANDLE**] (Expanded Archive Columns: **REASON_CODE_SITE, REASON_CODE, REASON_CODE_CATEGORY**)
COMMENTS	The user entered comments made during the edit. [**String (4000)**]
LOG_TYPE	Defines the type of log entry. Valid values include: § Inventory Create (INV_CREATE) - Initial Inventory receipt § **Change (INV_CHANGE)** - Maintain Inventory changes § **Create Trackable (INV_CREATE_TRC)** - Inventory Receipt when creating Trackable SFC [**String (20)**]
STORAGE_LOCATION_BO	The inventory storage location. This is typically defined in ERP. [**HANDLE**]
TXN_ID	A unique ID that identifies records created during the same database transaction. [**HANDLE**]
INV_TRC_ROUTER_BO	The router used to create the trackable SFC from this inventory ID. [**HANDLE**] (Expanded Archive Columns: **INV_TRC_ROUTER_SITE, INV_TRC_ROUTER, INV_TRC_ROUTER_REVISION, INV_TRC_ROUTER_TYPE**)
INV_TRC_SFC_BO	The SFC create as the trackable SFC from this inventory ID. [**HANDLE**] (Expanded Archive Columns: **INV_TRC_SFC_SITE, INV_TRC_SFC**)
INV_TRC_SHOP_ORDER_BO	The shop order for the SFC created as the trackable SFC from this inventory ID. [**HANDLE**] (Expanded Archive Columns: **INV_TRC_SHOP_ORDER_SITE, INV_TRC_SHOP_ORDER**)
INV_TRC_LCC_BO	The LCC (Labor Charge Code) for the SFC created as the trackable SFC from this inventory ID. [**HANDLE**] (Expanded Archive Columns: **INV_TRC_LCC_SITE, INV_TRC_LCC**)
INV_TRC_WORK_CENTER_BO	The work center the trackable SFC was created in. [**HANDLE**] (Expanded Archive Columns: **INV_TRC_WORK_CENTER_SITE, INV_TRC_WORK_CENTER**)

ITEM

This business object defines the basic Item (Material). This can be a part, a component, an assembly or a board.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for which the Item is defined. [**String (6)**]
ITEM **(Required, Key)**	The Item's ID. [**String (128)**]
REVISION **(Required, Key)**	The revision of this item. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision. [**BOOLEAN**]
STATUS_BO	The status of this item. Status is provided by the Product Definition Status Group. [**HANDLE**]
ORIGINAL_STATUS_BO	The previous status for this item (used for releasing holds). [**HANDLE**]
ITEM_TYPE	The Item's type. Valid values include: § **Manufactured (M)** - This item is built using a router. § **Purchase (P)** - This item is purchased from a source outside of SAP ME. § **Manufactured/Purchase (B)** - The item may be purchased or manufactured. § **Installation (I)** – This is an item used for installation orders. § **Configurable (C)** – This is a configurable item. § **Packing (G)** – This is a packaging item. [**String (1)**]
EFF_START_SEQ	The starting Sequence (SFC) that this revision is effective for. This is only valid if the Effectivity Control is set to "Sequence (SFC)". (**Not used in this release**). [**SEQUENCE**]
EFF_END_SEQ	The ending Sequence (SFC) that this revision is effective for. This is only valid if the Effectivity Control is set to " Sequence (SFC)". (**Not used in this release**). [**SEQUENCE**]
EFF_START_DATE	The starting Date/Time that this revision is effective for. This is only valid if the Effectivity Control is set to "Date". (**Not used in this release**). [**DATE_TIME**]

COLUMN	Description/Default
EFF_END_DATE	The starting Date/Time that this revision is effective for. This is only valid if the Effectivity Control is set to "Date". (**Not used in this release**). [**DATE_TIME**]
LOT_SIZE	The default lot size used on release. [**QTY**]
QTY_MULTIPLIER	The number to multiply the SFC quantity when used with the SFC Quantity Multiplier activity. [**QTY**]
QUANTITY_RESTRICTION	Controls the processing of fractional quantities. **Note**: This DO has a convenience method to determine whether a Qty is valid or not: isQtyValid(Qty). Valid values include: § **Only 1.0 (O)** - Only quantities of 1.0 may be used § **Whole Number (W)** - Only positive whole numbers may be used. § **Any Number (A)** - Any positive real number may be used. [**String (1)**]
ROUTER_BO	The Router that will be used to manufacture this item when SFC numbers are released to the shop floor. [**HANDLE**]
BOM_BO	The BOM to be used to assemble this item. [**HANDLE**]
COMPONENT_GROUP_BO	The component group's ID. [**HANDLE**]
USE_ORDER_ID_REL1	If true, the Shop Order ID will be used for the first SFC ID for quantity up to the material's lot size. After the SFC quantity exceeds the material lot size, the default numbering scheme will be used for the later SFC IDs. [**Boolean**]
SELECTOR_ACTIVITY_BO	This is an activity that will allow the user to select Location(s) on the panel. [**ActivityBO**] [**HANDLE**]
SELECTOR_NOTE	A note passed to the Selector Activity. This is normally used to help the user with the panel orientation when identifying pieces. [**String (40)**]
ASSIGN_SERIAL_AT_RELEASE	If true, then the internal serial numbers for a lot (panel) SFC will be generated when the SFC is released. This will use the normal Next Number object for Serial Numbers. [**BOOLEAN**]
LAST_RELEASED_DATE	The date this item was last released. This is updated when a shop order is released for this SFC. This is **not** updated when the Create SFC or Change Item/Router/BOM activities are used. [**DATE_TIME**]

COLUMN	Description/Default
PRE_ASSEMBLED	If true, then this component is assumed to be pre-assembled and requires no specific assembly point. It may be processed later using configuration maintenance. [**BOOLEAN**]
ASSY_DATA_TYPE_BO	The type of information to be collected when this item is assembled. Valid type comes from Assembly Data Type. [**HANDLE**]
REMOVAL_ASSY_DATA_TYPE_BO	The Assembly Data Type to be collected when this item is removed from an assembly. [**HANDLE**]
MAXIMUM_USAGE	The maximum number of times this Item can be used as a component. Only applies to components tracked in inventory. [**INTEGER**]
DRAWING_NAME	The name of the drawing used in the Model Viewer plugin to display a diagram or drawing. [**String (256)**]
USE_COMP_FROM_DRAWING	Unused in this release. [**BOOLEAN**]
PANEL	If true, then this item is considered a panelized item. This means it will have panel locations defined. [**BOOLEAN**]
CREATE_TRACKABLE_SFC	If 'Y', then this these purchased items can be turned into a trackable SFC. [**BOOLEAN**]
MASK_GROUP_BO	The serial number mask group that contains valid formats for this item. [**HANDLE**]
INV_ASSY_DATA_TYPE_BO	The type of information to be collected when this item is added to Inventory Receipt. Valid type comes from Assembly Data Type. [**HANDLE**]
ITEM_GROUP_BO	Unused in this release. [**HANDLE**]
TRANSFER_ITEM_GROUP_BO	Stores the Site2Site Item Group to be used during transfer. [**HANDLE**]
UNIT_OF_MEASURE	Item unit of measure. [**String (40)**]
HOLD_ID	The unique hold id assigned to this item when the hold was done on this item. [**String (20)**]
IS_COLLECTOR	If true, then this item's shop order is considered a Collector order. This means no production work is done on the order, but instead on the children orders. [**BOOLEAN**]

COLUMN	Description/Default
REQ_SERIAL_CHANGE	If true, then this item's shop orders will require a serial number change on all of the order's SFCs before it can be finished. [**BOOLEAN**]
COLLECT_PARENT_SERIAL	If true, then this item's shop orders are normally selected to serialize the order's parent SFCs. [**BOOLEAN**]
INC_BATCH_NUMBER	Determines how the Batch Number for an Item's Shop Order is incremented. This batch number is used mainly for integration with ERP systems. Valid values include: § N (None) - § D (Daily) - § O (Order) - § S (Shift) - [**String (1)**]
TIME_SENSITIVE	If true, then this material is time sensitive and must be kept in a controlled environment such as a freezer. [**BOOLEAN**]
MAX_SHELF_LIFE	The default maximum shelf life of the material. This is the amount of time the material can be stored before it must be used. MAX_SHELF_LIFE_UNITS determines the units of this value. [**QTY**]
MAX_SHELF_LIFE_UNITS	The unit of measure used for the MAX_SHELF_LIFE column. Valid values include: § Hours (H) - Hours § Days (D) - Days § Months (M) - Months [**String (2)**]
MAX_FLOOR_LIFE	The default maximum floor life of the material. This is the amount of time the material can be exposed in an uncontrolled environment before it must be used. MAX_FLOOR_LIFE_UNITS determines the units of this value. [**QTY**]
MAX_FLOOR_LIFE_UNITS	The unit of measure used for the MAX_FLOOR_LIFE column. Valid values include: § Hours (H) - Hours § Days (D) - Days § Months (M) - Months [**String (2)**]
NOTES	General notes on the material. [**String (2000)**]

COLUMN	Description/Default
TB_COMP_TYPE	The type of time-based material this is. Used to handle how time-based quantities are processed on time-based resources. Valid values include: § **Normal (N)** - No special QTY handling. § **Continuous (C)** - All loaded components are decremented each time an SFC is processed. § **Splice (S)** - Qty is decremented using a reel splice behavior. [**String (1)**]
CONSUMPTION_TOL	The tolerance on consumption used to determine when a splice changeover happens. This is the actual QTY which represents an uncertainty on the amount of material left on the resource when a changeover occurs. [**QTY**] [**String (1)**]
ERP_BACKFLUSHING	If true, then SAP ME assumes the material consumptions will be triggered by ERP back-flushing. [**Boolean**]
STORAGE_LOCATION_BO	The production storage location for this material as defined in SAP ERP. [**Handle**]
ERP_PUTAWAY_STORLOC	The ERP storage location that this material is stored in when an SFC is finished by ME. When SAP ME completes an SFC, the SFC is moved to this storage location in ERP. [**String (4)**]
ERP_GTIN	International Article Number (EAN/UPC) in ERP. [**String (18)**]
AIN_MODEL_EXTERNAL_ID	The external ID of the SAP Asset Intelligence Network (AIN) model for creating an equipment record in SAP AIN. [**String (40)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
PRODUCTION_SUPPLY_AREA	The date/time this record was last updated. [**String (10)**]

ITEM_T

This table defines translations for elements.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required)**	The handle for this object. This includes the LOCALE and ITEM_BO. [**HANDLE**]
LOCALE **(Required)**	Language code. [**String (7)**]
ITEM_BO **(Required)**	Reference to ITEM record. [**HANDLE**]
DESCRIPTION **(Required)**	Localized description value for the Item. [**String (40)**]

ITEM_ALTERNATE

This business object defines what items may be substituted for when used as a component.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ITEM_BO **(Required, Key)**	The parent objects handle. [**HANDLE**]
ALTERNATE_ITEM_BO **(Required, Key)**	The alternate item's ID. Handle to another ItemBO. [**ItemBO**] [**HANDLE**]
SEQUENCE **(Required, Key)**	Used to differentiate alternate Items with different date periods. This must be unique for each entry. Default Value: Incremented for each Item starting at 1. [**INTEGER**]
SUBSTITUTE	A flag to check if it can be used as a substitute. Default Value: Yes. [**BOOLEAN**]
REQUIRED_SUBSTITUTE	A flag to force the substitution. Default Value: No. [**BOOLEAN**]
VALID_START	The date that this alternate is valid from. Default Value: "Beginning Of Time". [**DATE_TIME**]

COLUMN	Description/Default
VALID_END	The date that this alternate is valid until. Default Value: "End Of Time". [**DATE_TIME**]
ITEM_GROUP_BO	The Item Group that this alternate is valid for. The assembly this component is assembled into must be part of this Item Group for this alternate to be used. [**HANDLE**]
VALID_ASSEMBLY	The Assembly (Item) that this alternate is valid for. The assembly this component is assembled into must match this assembly for this alternate to be used. (e.g. 'PC&' means this alternate is valid for all assemblies (Items) that start with PC). [**String (412)**]
VALID_REVISION	The Assembly Revision (Item Revision) that this alternate is valid for. If blank means only current revision is acceptable. If '*' then any revision is acceptable. [**String (20)**]

ITEM_CHARACTERISTIC

Stores characteristics associated with an Item/Material.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ITEM_BO **(Required, Key)**	The characteristics associated with the item. [**HANDLE**]
SEQUENCE	A sequential value used to ensure all entries are unique. [**INTEGER**]
CHARACTERISTIC_NAME	The name of the characteristic. [**String (70)**]
CHARACTERISTIC_VALUE	The value of the characteristics. [**String (70)**]

ITEM_DPMO

Defines the DPMO (Defects Per Million Opportunities) details for this item.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**HANDLE**]
ITEM_BO **(Required, Key)**	The item the DPMO opportunity count applies to. [**HANDLE**]
DPMO_CATEGORY_BO **(Required, Key)**	The type of DPMO opportunity this record applies to (e.g. Component, Assembly, Placement, Termination). [**HANDLE**]
OPERATION_BO **(Required, Key)**	For the site valid operations. [**HANDLE**]
OPPORTUNITIES	The number of defect opportunities. Used in calculating dpmo. Entered for each DPMO category/operation pair. [**INTEGER**]

ITEM_GROUP

This business object defines the basic item group. This is a group of Items that are built in a similar way (same router and/or BOM).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
ITEM_GROUP **(Required, Key)**	The Item Group ID. [**String (16)**]
DESCRIPTION	The item groups description. [**String (40)**]
MASK_GROUP_BO	The serial number mask group that contains valid formats for this item group. [**HANDLE**]
ROUTER_BO	Unused in this release. [**HANDLE**]

COLUMN	Description/Default
BOM_BO	Unused in this release. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DateTime**]
CREATED_DATE_TIME	The date/time this record was created. [**DateTime**]

ITEM_GROUP_MEMBER

Contains the items that belong to the item group.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. [**HANDLE**]
ITEM_GROUP_BO **(Required, Key)**	The item group this item belongs in. [**HANDLE**]
ITEM_BO	The item that is a member of this group. [**HANDLE**]

ITEM_LOCATION

It is used only for panelized SFCs. Tracks scrapped locations on a panel (X-Out)

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ITEM_BO **(Required, Key)**	The parent Item for this location. [**HANDLE**]
LOCATION **(Required, Key)**	The location's ID. [**String (20)**]
DESCRIPTION	The description of this location. [**String (40)**]

COLUMN	Description/Default
SEQUENCE	Controls the ordering the Locations are processed (serialized or assigned serial numbers). [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ITEM_MASTER

ItemBO extends RevisionableEBO, which creates an auxiliary table called ITEM_MASTER. This table defines master data for a revision family of ItemBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Item revision family. [**String (6)**]
ITEM **(Required, Key)**	The name/id of the Item revision family. [**String (128)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Item revision family. [**String (1)**]

ITEM_SEQ_ASSIGNMENT

This business object defines the item sequence assignment. This is a group of Items associated with a router, whose details have been sent to ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. [**Handle**]
ITEM_BO **(Required, Key)**	The item the router is associated with. [**Handle**]
ROUTER_BO **(Required, Key)**	The router this item was assigned to for ERP. [**Handle**]

COLUMN	Description/Default
MAT_ASSIGN_SEQ	The material assignment sequence number used for the assignment in ERP. [**Integer**]
STATUS	Status of routing sent to ERP for the given material/version and routing/version combination. Valid values include: § **New (NEW)** – The routing assignment is new and has not been sent to ERP. § **Sent (SENT)** – The routing assignment has been sent to ERP. § **In Process (INPROCESS)** – The routing assignment is being sent to ERP. [**String(12)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DateTime**]
CREATED_DATE_TIME	The date/time this record was created. [**DateTime**]

ITEM_SHOP_ORDER_TYPE

Defines association between Router and Shop Order Type in Item.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ITEM_BO	Item handle. [**HANDLE**]
SHOP_ORDER_TYPE_BO	Shop order type handle. [**HANDLE**]
ROUTER_BO	Router handle. [**HANDLE**]

LABOR_CHARGE_CODE

This business object defines the labor charge code object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site this labor charge code is defined for. [**String (6)**]
LABOR_CHARGE_CODE **(Required, Key)**	The labor charge code. [**String (128)**]
DESCRIPTION	The description of the labor charge code. [**String (40)**]
LABOR_TYPE	Indicates if the labor charge code is direct or indirect. Valid values include: § **Direct (D)** - Direct Labor. § **Indirect (I)** - Indirect Labor. [**String (1)**]
VALID_FROM	The date that this labor charge code is valid from. Date fields should be stored as a String in ISO format of YYYYMMDD. [**String (8)**]
VALID_TO	The date that this labor charge code is valid to. Date fields should be stored as a String in ISO format of YYYYMMDD. [**String (8)**]
OVERRIDE_EXP_DATE	If true (checked), then this labor charge code is always valid. [**BOOLEAN**]
LABOR_SUBTYPE_BO	The labor charge code sub type. [**LaborSubTypeBO**] [**HANDLE**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

LABOR_LOG

This object records time spent working on specific SFCs for specific users. This is used to record raw labor time spent by users. This table has children records stored in the LABOR_LOG_MEMBER table to record the specific SFCs in work at a given time.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for this record. [**String (6)**]
OWNER_GBO **(Required, Key)**	Raw labor time is collected for this user. (Someday, this may be something other than a user). [**HANDLE**] [**UserBO**]
STRT **(Required, Key)**	A String version of the StartDateTime plus a unique ID to avoid conflicts with other records during the same second. Format="yyyyMMdd.HHmmss.SSS.ID" (24hr time plus 4 digit ID). [**String (30)**]
ACTIVE	Indicates if this Labor Log record is active or not (has active SFCs). Valid values include: § **Active (A)** - Active. § **Closed (C)** - Closed. [**String (1)**]
START_DATE_TIME	The date/time that this record begins at. [**DATE_TIME**]
START_DATE_MSEC	The date/time that this record begins at (in milliseconds since 1970, GMT). This is the same as START_DATE_TIME, but in milliseconds for more accurate calculations. [**INTEGER**]
END_DATE_TIME	The date/time that this labor time-slice ends at. End Of Time is used for currently active records. [**DATE_TIME**]
END_DATE_MSEC	The date/time that this labor time-slice ends at. End Of Time is used for currently active records (in milliseconds since 1970, GMT). This is the same as END_DATE_TIME, but in milliseconds for more accurate calculations. [**INTEGER**]
ELAPSED_TIME	The elapsed time for this time-slice (in ms). [**LONG**]
USER_SHIFT_BO	The user shift in effect when this user clocked in. [**HANDLE**]
COST_CENTER_BO	The cost center in effect when the user clocked in. [**HANDLE**]
ACTIVITY	The activity that logged this record (usually Start). [**String (20)**]
CLOSURE_ACTIVITY	The activity that closed this record (usually Complete, Log NC, etc.). [**String (20)**]

COLUMN	Description/Default
ELAPSED_TIME_ONE	The elapsed time for this time-slice (in ms) assigned to category one (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_TWO	The elapsed time for this time-slice (in ms) assigned to category two (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_THREE	The elapsed time for this time-slice (in ms) assigned to category three (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FOUR	The elapsed time for this time-slice (in ms) assigned to category four (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FIVE	The elapsed time for this time-slice (in ms) assigned to category five (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_SIX	The elapsed time for this time-slice (in ms) assigned to category six (see STANDARD_VALUE_KEY). [**LONG**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

LABOR_LOG_MEMBER

This records individual SFCs (or other entities) that were worked by a user during a time-slice. This is a child record of LaborLog.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
LABOR_LOG_BO **(Required, Key)**	The parent labor log record. [**HANDLE**]

COLUMN	Description/Default
SEQUENCE **(Required, Key)**	A unique sequence number to distinguish active SFCs when multiple SFCs are active. [**INTEGER**]
START_DATE_TIME	The date/time that this record begins at. [**DATE_TIME**]
START_DATE_MSEC	The date/time that this record begins at (in milliseconds since 1970, GMT). This is the same as START_DATE_TIME, but in milliseconds for more accurate calculations. [**INTEGER**]
END_DATE_TIME	The date/time that this labor time-slice ends at. End Of Time is used for currently active records. [**DATE_TIME**]
END_DATE_MSEC	The date/time that this labor time-slice ends at. End Of Time is used for currently active records (in milliseconds since 1970, GMT). This is the same as END_DATE_TIME, but in milliseconds for more accurate calculations. [**INTEGER**]
CONTEXT_GBO	The SFC in work. (May be shop order or other entity in future releases). [**HANDLE**] [**SFCBO**]
ITEM_BO	The item built by the SFC. [**HANDLE**]
RESOURCE_BO	The resource the SFC was worked at. [**HANDLE**]
OPERATION_BO	The operation the SFC was worked at. [**HANDLE**]
ROUTER_BO	The router the SFC was processed on. [**HANDLE**]
STEP_ID	The step the work was performed at. [**String (6)**]
STEP_SEQUENCE	The step sequence (for ordering purposes). [**INTEGER**]
REPORTING_CENTER_BO	The router step's reporting work center. [**HANDLE**]
LCC_BO	The Labor Charge Code for this SFC at the time of the activity. [**HANDLE**]
SHOP_ORDER_BO	The Shop Order for this SFC at the time of the activity. [**HANDLE**]
REWORK	True if this time is considered rework. [**BOOLEAN**]

COLUMN	Description/Default
WORK_TYPE	The type of work performed (may include resource setup in a future release). Valid values include: § **Normal (N)** - Normal. [**String (1)**]
QTY	The SFC Qty processed during this time-slice. [**QTY**]
QTY_COMPLETED	The SFC Qty completed successfully during this time-slice. [**QTY**]
IN_WORK_CHECK_DATE	The date/time that this record was last checked against SFC_IN_WORK. This is used on SFCs to verify that the SFC is still in work. Each SFC will be checked once per day to cleanup old records left in work here, but removed from work by non-standard means (e.g. SQL). [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

LABOR_RULE

This business object defines the basic Labor Rule object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for which these Labor Rules are defined. [**String (6)**]
ALLOW_CLOCK_IN_NON_PROD	If true, then the user is allowed to clock-in on non-production days for assigned shift(s). [**BOOLEAN**]
ACTION_CLOCK_OUT_SFC	The action that should occur with active work when a user clocks out. Valid values include: § **None (N)** - No action taken. § **Signoff (S)** - Signoff Active SFCs. [**String (1)**]

COLUMN	Description/Default
ID_CLOCK_INOUT	A rule to determine which field is displayed for the Clock-In/Out ID. Valid values include: § **Badge Number (B)** - Badge Number is used. § **Login ID (L)** - Login ID is used. § **Employee Number (E)** - Employee Number is used. § **User ID (U)** - User ID is used. [**String (1)**]
CLOCK_IN_CONTROL	Controls the Clock-In logic. Valid values include: § **Automatic (A)** - Automatic Clock-In at Login. § **Required (R)** - Required Clock-In before Login. § **Manual (M)** - Manual Clock-In. [**String (1)**]
ENFORCE_CLOCK_IN_INTERVAL	Unused in this release. [**BOOLEAN**]
USE_DEFAULT_SO_LCC	**true** - During any create or update of a shop order (dbCreate & dbUpdate), if the LCC field is blank, then the value from the following rule "Default LCC" will be used to populate the field. This includes both automatic creation and manual creation such as SO Maintenance. **false** - The "Default LCC for Shop Order" will only be used during system automatic creation of Shop Orders, such as during the Create SFC hook feature. **Note**: Not used if the Labor Tracking Enabled system rule is false. [**BOOLEAN**]
DEFAULT_SO_LCC_BO	Required if "Use Default LCC for Shop Orders when LCC Not Provided" is true. It is used to populate Shop Order and SFC LCC fields if not explicitly set. **Note**: Not used if the Labor Tracking Enabled system rule is false. **[Handle**]
CLOCK_IN_OUT_RANGE	Controls allowed range for Clock-In/Out. Valid values include: § **Interval (I)** - Within Interval. § **Interval And Shift (S)** - Within Interval and Shift. § **Anytime (A)** - Anytime. [**String (1)**]
APPR_REQ_FOR_EXPORT	Time Card Approval Required for Export. Indicates whether Time Card Approval is required before labor data is exported. [**BOOLEAN**]

COLUMN	Description/Default
AUTO_CLOCK_OUT	Automatic Clock-Out at Shift End. Setting of True will cause a Clock-Out at shift end at rollup time if a Manual Clock-Out does not occur. If a clock-out interval is in effect and rollup detects SFC activity after the shift end time and before the end of the interval, then the user will not be automatically clocked out. [**BOOLEAN**]
LABOR_AGE	The number of days to keep "old" SFC and User Labor records after approval. This includes the detail records kept for drill-down purposes. Any records older than this number of days will be deleted, even if they have not been exported. **[INTEGER**]
ON_PREMISES_INTERVAL	The On Premises report will display the last clock-in or clock-out event for each user using a snapshot of this past number of hours. If an event is not found for the user within the specified past number of hours, then that user is considered "Absent". Rollup needs to wait for purging according to this time interval. **[INTEGER**]
SFC_LABOR_IDLE_TRACKING	Indicates how idle time between SFCs is tracked. Valid values include: § **Start to Start (S)** - Labor time for an SFC will be logged from the start until the next SFC is started by the same operator. § **Start to Complete (N)** - Labor time for an SFC will be logged from the start until complete. The idle time between SFCs will be logged as the user's current Labor Charge Code. [**String (1)**]
SFC_LABOR_SPREAD	Indicates how the time spent on multiple SFCs will be spread. Valid values include: § **Equal (E)** - Time equally divided among SFCs. § **LCC (L)** - Time equally divided among LCCs. § **All (A)** - Time fully allocated to each SFC. § **Quantity (Q)** - Times spread based on SFC qty (pro-rated by Qty). [**String (1)**]
SUMMARIZE_SFC_COST_CENTERS	If "True" then, then keep summary detail records for SFC Labor at the Cost Center level. **[BOOLEAN**]
SUMMARIZE_SFC_CUSTOM_FIELDS	A comma-delimited list of custom fields that are copied from the Cost Center, Labor Charge Code, Item and User objects. **[String (240)**]
SUMMARIZE_SFC_CUSTOMER	If "True" then, then keep summary detail records for SFC Labor at the Customer level. **[BOOLEAN**]
SUMMARIZE_SFC_CUSTOMER_ORDER	If "True" then, then keep summary detail records for SFC Labor at the Customer Order level. **[BOOLEAN**]

COLUMN	Description/Default
SUMMARIZE_SFC_ITEM	If "True" then, then keep summary detail records for SFC Labor at the Item level. [**BOOLEAN**]
SUMMARIZE_SFC_LABOR	If "True", then SFC Labor will be summarized. [**BOOLEAN**]
SUMMARIZE_SFC_OPERATION	If "True" then, then keep summary detail records for SFC Labor at the Operation level. [**BOOLEAN**]
SUMMARIZE_SFC_REPORTING_CENTER	If "True" then, then keep summary detail records for SFC Labor at the Reporting Center level. [**BOOLEAN**]
SUMMARIZE_SFC_RESOURCE	If "True" then, then keep summary detail records for SFC Labor at the Resource level. [**BOOLEAN**]
SUMMARIZE_SFC_ROUTER_STEP	If "True" then, then keep summary detail records for SFC Labor at the Router Step level. [**BOOLEAN**]
SUMMARIZE_SFC_SFC	If "True" then, then keep summary detail records for SFC Labor at the SFC level. [**BOOLEAN**]
SUMMARIZE_SFC_SHOP_ORDER	If "True" then, then keep summary detail records for SFC Labor at the Shop Order level. [**BOOLEAN**]
SUMMARIZE_SFC_WORK_CENTERS	If "True" then, then keep summary detail records for SFC Labor at the Work Center level. [**BOOLEAN**]
SUMMARIZE_USER_CUSTOM_FIELDS	Same as description for rule SUMMARIZE_SFC_CUSTOM_FIELDS. [**String (240)**]
SUMMARIZE_USER_LABOR	If 'true', then the labor is summarized by user. [**BOOLEAN**]
SUMMARIZE_USER_RESOURCE	Unused in this release. [**BOOLEAN**]
SUMMARIZE_USER_OPERATION	Unused in this release. [**BOOLEAN**]
SUMMARIZE_USER_STEP	Unused in this release. [**BOOLEAN**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

LABOR_SUBTYPE

This business object defines the labor sub type object used within LCC Maintenance.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's Handle. [**HANDLE**]
SITE **(Required, Key)**	This object's site. [**String (6)**]
LABOR_SUBTYPE **(Required, Key)**	The labor sub-type code. [**String (128)**]
LABOR_TYPE **(Required, Key)**	Indicates which type the sub-type is associated with. Valid values include: § **Direct (D)** - Direct Labor. § **Indirect (I)** - Indirect Labor. [**String (1)**]
DESCRIPTION	The description of this object. [**String (40)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

LIST_COLUMN

This business object defines the list of columns that are displayed in the Lists and the order they are displayed in.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
LIST_CONFIG_BO **(Required, Key)**	The parent objects handle. [**String (412)**] [**HANDLE**]

COLUMN	Description/Default
SEQUENCE **(Required, Key)**	The sequence this column should be displayed in the List. [**INTEGER**]
COLUMN_ID	The ID of the column to display. See the Detailed Design Document for details. [**String (90)**]
SORT_ORDER	If greater than 0, then this column is used to control the order the records in the list are displayed in. 1 means primary sort key, 2 means secondary, etc. [**SEQUENCE**]

LIST_CONFIG

This business object builds an list for the given site, name and type. This list is currently used from FailureTracking Client Maint to save/retrieve the client settings.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site. [**String (6)**]
NAME **(Required, Key)**	Name for this List Configuration. [**String (36)**]
LIST_TYPE **(Required, Key)**	Defines the Type of this List Configuration (Active Work List, Task List, FailureData, ...) Valid values include: § **SessionInfo (S)** - Session information value. [**String (16)**]
DESCRIPTION	Description for this List Config. [**String (40)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

COLUMN	Description/Default
TYPE	The List type. It is optional. SFC(S), ShopOrder(O), ProcessLot(P), Item(I) and ItemRevision(R). Valid values include: § **SFC (S)** - SFC. § **ShopOrder (O)** - Shop Order. § **ProcessLot (P)** - Process Lot. § **Item (I)** - Item. § **ItemRevision (R)** - Item Revision. [**String (1)**]

LIST_CONFIG_VALUES

This business object defines the name/value pairs for the ListConfigBO. This is for additional settings needed by some lists.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
LIST_CONFIG_BO **(Required, Key)**	The parent objects handle. [**String (412)**] [**HANDLE**]
NAME **(Required, Key)**	Name for the value. [**String (26)**]
VALUE	Hold the value for the given name. [**String (1024)**]

LIST_ICON

This defines the use of one icon in the list. These are from the list of valid icons defined in the PREDEFINED_ICON table.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
LIST_COLUMN_BO **(Required, Key)**	The parent List Column handle. [**String (412)**] [**HANDLE**]
ICON_ID **(Required, Key)**	The icon to be displayed in this column. Defined in the PREDEFINED_ICON table. [**String (90)**]

LOCATION_DIM

Defines a dimension table for the failure history aggregate fact table. This dimension records the physical location that the NC was logged at.

Note: This is not the same as the LOCATION associated with a panelized SFC.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DIM_KEY	The dimension key (database reference). [**LONG**]
DIM_LEVEL	The level in the dimension hierarchy this key belongs to. [**String (20)**]
SITE	The site this dimension was created for. [**String (6)**]
WORK_CENTER	The work center the NC was logged in. [**String (36)**]
PARENT_WORK_CENTER	The work center's immediate parent. [**String (36)**]
GRANDPARENT_WORK_CENTER	The work center's grandparent. [**String (36)**]
OPERATION	The operation the NC was logged at. [**String (36)**]
RESRCE	The resource the NC was logged at. [**String (36)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

MASK_GROUP

Defines a group of masks that define valid formats. Used for serial number validation and other functions.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for the mask group. [**String (6)**]
MASK_GROUP **(Required, Key)**	The mask group ID. [**String (20)**]
DESCRIPTION	The description of this mask group. [**String (40)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

MASK_GROUP_MEMBER

Contains the valid masks for this mask group.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MASK_GROUP_BO **(Required, Key)**	The Mask Group this single mask is a member of. [**HANDLE**]
MASK_GROUP_BO **(Required, Key)**	The Mask Group this single mask is a member of. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the mask was created in this group. [**INTEGER**]

COLUMN	Description/Default
MASK_TYPE	Defines the type of mask. Valid values include: § **Simple (S)** - Simple Mask Expression. § **Regular (R)** - Standard Regular Expression. [**String (1)**]
DISPLAY_MASK	The display value of the mask (the value entered by the user). [**String (1024)**]
REGULAR_EXPRESSION	The internal regular expression used to validate the input. [**String (1024)**]
MIN_LENGTH	The minimum length of the value. The serial number (or other value) must be at least this length. 0 Means no minimum. [**INTEGER**]
MAX_LENGTH	The maximum length of the value. The serial number (or other value) must be this length or less. 0 Means no maximum. [**INTEGER**]

MEASUREMENT_POINT

Defines an ERP-based measurement point for a given tool or resource (equipment). This is imported from ERP with the standard SAP ME Integration.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The Site for the measurement point. [**String (6)**]
ATTACHED_TO_GBO	The tool or resource this measure it collected for. [**Handle**]
MEASUREMENT_POINT	The ERP measurement point name. [**String (12)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

MESSAGE

This table records the message sent within ME. This corresponds to the ME 5.X ALARM_LOG table. Messages may be simple notification messages or may contain multi-activity process workflows.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site this message was created in. [**String(6)**]
MESSAGE_ID **(Required, Key)**	A unique string used to identify this message. [**String(128)**]
MESSAGE_TYPE_BO	The message type definition used to send this message. [**HANDLE**]
STATUS	The status of this message. Valid values include: § **New (N)** - The message is new and has not been acted upon yet. § **In Queue (Q)** – The message is in the message queue awaiting action by someone in the destination group(s). § **Claimed (L)** – The message has been claimed by a user, but has not been worked yet. § **Revoked (R)** – The message was refused (revoked) by another user. § **Withdrawn (W)** – The message has been withdrawn by the user who submitted the message. § **Closed (C)** – The message has been closed (no longer active). [**String (1)**]
SEVERITY	The severity of the message type. Valid values include: § **Info (I)** – The message is an information message. § **Warning (W)** – The message is a warning. § **Critical (C)** - This highest severity. [**String (1)**]
SUBJECT	The message subject (normally a short description displayed in lists). [**String(1024)**]
BODY	The full message body content. [**String(2000)**]

COLUMN	Description/Default
SIGNAL_FLAG	Set to 'true' if messages of this type should be 'flagged' specially. Currently, the Production Operator Dashboard uses this to display real time messages to the operators. [**BOOLEAN**]
DATE_TIME_TO_CLOSE	The date/time this message should be closed. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

MESSAGE_LOG

This table records the detailed actions that have been logged against a specific MESSAGE. This includes manual actions as well as automatic process workflow actions.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_BO **(Required, Key)**	The message record that was acted upon. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence this action occurred in. [**INTEGER**]

COLUMN	Description/Default
ACTION	The action that took place on this message. Valid values include: § **Create (C)** – The message was created. § **Comment (M)** – A user added a comment for the message. § **Withdraw (W)** – The message was withdrawn by the submitter. § **Claim (L)** – The message was claimed by a valid user. § **Unclaim (U)** – The message was unclaimed by the user. § **Revoke (R)** – The message was revoked (cancelled) by a user other than the submitter. § **Transfer (T)** – The message was transferred to another user. § **Close (D)** – The message was closed by a user or process workflow action. § **Complete (P)** - The message was closed by a process workflow action. § **Activity (A)** – The message was acted upon by a process workflow activity (such as Log Codes). [**String (1)**]
ACTION_DETAILS	The details of the action. The content depends on the actual action. [**CLOB**]
COMMENTS	Any user comments. [**String(2000)**]
USER_BO	The user that performed the action. [**HANDLE**]
DATE_TIME	The date/time that this action was performed. [**DATE_TIME**]
ACTIVITY_BO	The Activity that performed this action. This can be a user activity or a process workflow activity. [**HANDLE**]
TXN_ID	A unique ID that identifies records created within the same database transaction. [**String(50)**]

MESSAGE_LOG_CODES

This table records the detailed reason codes that have been logged against a specific MESSAGE. This typically handled by the Log Codes process workflow activity.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_BO **(Required, Key)**	The message record that was acted upon. [**HANDLE**]
TXN_ID **(Required, Key)**	A unique ID that identifies records created within the same database transaction. [**String(50)**]
REASON_CODE_BO	The reason code chosen by the user. [**HANDLE**]
CAUSE	Comments entered as a 'Cause' by the user. [**String(2000)**]
RESOLUTION	Comments entered as a 'Resolution' by the user. [**String(2000)**]
USER_BO	The user that logged the reason code. [**HANDLE**]
DATE_TIME	The date/time that the code was logged. [**DATE_TIME**]

MESSAGE_PAYLOAD

This table specific message payload contents in a name/value structure. This includes elements such as USER_BO and MESSAGE_TYPE.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_BO **(Required, Key)**	The message record that this payload applies to. [**HANDLE**]
DATA_FIELD **(Required, Key)**	The data field held in this record. [**String(60)**]
DATA_ATTR	The value of the data field for this message. [**String(1024)**]

MESSAGE_TYPE

This table defines the types of messages that are sent by the system. These messages are sent in response to various events within SAP ME. For example: yield events, background process errors and Nonconformances.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for the message type. [**String (6)**]
MESSAGE_TYPE **(Required, Key)**	The message type ID. [**String (128)**]
DESCRIPTION	The description of this message type. [**String (40)**]
SEVERITY	The severity of the message type. Valid values include: § **Info (I)** – The message is an information message. § **Warning (W)** – The message is a warning. § **Critical (C)** - This highest severity. [**String (1)**]
PROCESS_WORKFLOW_BO	A handle to the process workflow that is triggered when this message is sent. [**HANDLE**]
ENABLED	Set to 'true' if this message type is enabled. [**BOOLEAN**]
SUBJECT	The subject line for this message type. Also used for email notifications as the subject line of the email. [**String (1024)**]
BODY	The body text for this message type. Also used for email notifications as the body of the email. [**String (1024)**]
AUTO_CLOSE	Set to 'true' if messages sent for the message type are marked as 'closed' automatically. [**BOOLEAN**]
AUTO_CLOSE_INTERVAL	The auto close interval defines the amount of time after the message is created before it is auto-closed by system. Units are specific by AUTO_CLOSE_INTERVAL_UNIT. [**INTEGER**]

COLUMN	Description/Default
AUTO_CLOSE_INTERVAL_UNIT	The units for the auto close interval above. Valid values include: § **Minutes (M)** – The interval is in minutes. § **Hours (H)** – The interval is in hours. § **Days (D)** - The interval is in days. [**String (1)**]
AUTO_CLOSED_BY_WF	Set to 'true' if messages sent for the message type are 'closed' automatically by the workflow processing. [**BOOLEAN**]
SIGNAL_FLAG	Set to 'true' if messages of this type should be 'flagged' specially. Currently, the Production Operator Dashboard uses this to display real time messages to the operators. [**BOOLEAN**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

MESSAGE_TYPE_NOTIFICATION

This table defines email addresses that a notification is delivered to by this message type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_TYPE_BO **(Required, Key)**	The message type this notification is defined for. [**HANDLE**]
SEQUENCE (**Required, Key**)	The order this notification is displayed in. [**INTEGER**]
EMAIL_ADDRESS	The email address to send the notification to. [**String (128)**]

MESSAGE_TYPE_USER_GROUP

This table defines the user groups this message is intended for.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_TYPE_BO **(Required, Key)**	The message type this user group is available for. [**HANDLE**]
USER_GROUP_BO (**Required, Key**)	The user group this message is intended for. [**HANDLE**]

MESSAGE_USER_GROUP

This table contains the user group(s) this message has been queued for.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MESSAGE_BO **(Required, Key)**	The message record that was queued. [**HANDLE**]
USER_GROUP_BO **(Required, Key)**	The user group this message was queued for. [**HANDLE**]

MIGRATION_LOG

Logs records that have been migration from SFDM.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
OBJECT_HANDLE	The handle of the object that was migrated from SFDM. [**String (412)**]

COLUMN	Description/Default
CHANGE_STAMP	The SFDM change stamp for the migrated record. [**INTEGER**]
DATE_MIGRATED	The date/time the record was migrated. [**DATE_TIME**]
MODIFIED_DATE_TIME	The last date/time this migration log records was updated. [**DATE_TIME**]

NC_CODE

This business object defines the basic code that is logged as a Non-Conformance against and SFC. This code may have a NCCodeDefBO associated with it, or it may rely upon a parent group to provide the NC definition.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
NC_CODE **(Required, Key)**	The NC code's ID. [**String (16)**]
DPMO_CATEGORY_BO	The DPMO Category that this defect is in. [**HANDLE**]
NC_CATEGORY	Defines the category for this NC Code. Usually FAILURE, DEFECT or REPAIR, but can be customized in a resource bundle. Used only for reporting purposes. [**String (20)**]
STATUS_BO	The status of this NC Code. Statuses come from the Basic Status Group. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

NC_CODE_T

This table defines translations for NC codes.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the NC_CODE_BO and LOCALE. [**HANDLE**]
LOCALE **(Required, Key)**	Language code. [**String (7)**]
NC_CODE_BO **(Required, Key)**	Reference to NC_CODE record. [**HANDLE**]
DESCRIPTION	Localized description value for the NC Code. [**String (40)**]

NC_CODE_DEF

This business object defines the NC behavior for NC Codes (or groups). This object is an Enterprise Business Object, but it is really used only by NCCode.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
NC_CODE_OR_GROUP_GBO **(Required, Key)**	The NC Code or NC Group to which this definition "belongs". [**HANDLE**] [**NCCodeBO, NCGroupBO**]
NC_DATA_TYPE_BO	The NC Data Type. Controls what data is to be collected when non-conforming. [**HANDLE**]
MESSAGE_TYPE_BO	The message sent when this NC is logged. [**HANDLE**]

COLUMN	Description/Default
PRIORITY	The relative priority (importance) of this NC. Used to determine which NC has precedence when logging multiple NCs (1=lowest). [**INTEGER**]
CLOSURE_REQUIRED	If true, then this NC must be closed. (This is checked by the "Check Prior Non-Conformances" activity. [**BOOLEAN**]
AUTO_CLOSE_INCIDENT	If true, then logging this NC will automatically mark the incident as closed (including all NCs logged within this incident). [**BOOLEAN**]
AUTO_CLOSE_PRIMARY	If true, then logging this NC will automatically mark its primary NC as closed. [**BOOLEAN**]
CAN_BE_PRIMARY_CODE	If true, then this NC can be a primary code. [**BOOLEAN**]
VALID_AT_ALL_OPERATIONS	True if the NC Code is valid at all operations. [**BOOLEAN**]
ALLOW_NO_DISPOSITION	If true, then the LogNC client will allow the user to select "No Disposition". This means the SFC will not be dispositioned when the NC code is logged. [**BOOLEAN**]
ALLOW_LOCAL_REWORK	If true, the Log NC client will allow the user to select "Local Rework" as the disposition for the NC incident. This disposition will keep the SFC in work and change the production time to rework time. [**BOOLEAN**]
ASSIGN_NC_TO_COMPONENT	When an NC is logged against a component SFC, this value determines if the NC stays with the assembly or is assigned to the component SFC. Valid values include: § **Stay With Assembly (S)** - NC Stays with Assembly. § **Copy to Component (C)** - NC is copied to the component SFC. § **Move to Component (M)** - Move the NC to the component SFC. [**String (1)**]
COLLECT_REQD_NC_DATA	For a given NC and NC Data Type, this controls when the required NC data is to be collected. The data can be collected when the NC is logged (opened) or when the NC is closed during the edit process. Valid values include: § **Open (O)** - Required fields are validated when NC is opened. § **Closed (C)** - Required fields are validated when NC is closed. § **Both (B)** - Required fields are validated when NC is opened and closed. [**String (1)**]

COLUMN	Description/Default
DISPOSITION_GROUP_BO	The assigned disposition group that is valid at all operations when VALID_AT_ALL_OPERATIONS is true. [**HANDLE**]
MAX_NC_LIMIT	The maximum number of times this NC code can be logged against an SFC. [**INTEGER**]
SECONDARY_CODE_SP_INSTR	A special instruction that will be displayed on the Failure Tracking Client GUI when any secondary code is logged against this NC code. [**String (128)**]
SECONDARY_REQD_FOR_CLOSE	If true, the primary code cannot be closed without a secondary code logged against it. [**BOOLEAN**]
NC_SEVERITY_THRESHOLD	The severity of this NC Code. This is used to determine if the NC is a 'serious' code. This is used mainly for Sampling. [**INTEGER**]
ERP_QN_CODE	If true, then this NC Code is an ERP QM Code. [**Boolean**]
ERP_CATALOG	This is the ERP code catalog this ERP code belongs to. [**String(1)**]
ERP_CODE_GROUP	This is the ERP code group this ERP code belongs to. [**String(8)**]
ERP_CODE	This is the ERP code itself. [**String(4)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

NC_CODE_DIM

Defines a dimension table for the failure history aggregate fact table. This dimension records the NC Code.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DIM_KEY	The dimension key (database reference). [**LONG**]
DIM_LEVEL	The level in the dimension hierarchy this key belongs to. [**String (20)**]

COLUMN	Description/Default
SITE	The site this dimension was created for. [**String (6)**]
NC_CODE	The NC Code that was logged. [**String (16)**]
NC_CATEGORY	The category of the NC Code (FAILURE, DEFECT, REPAIR etc.). [**String (20)**]
NC_CODE_DESCRIPTION	The description of the NC Code that was logged. [**String (36)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

NC_CUSTOM_DATA

This object contains the custom data collected for a particular NC.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
NC_DATA_BO **(Required, Key)**	The parent NCDataBO entry. [**HANDLE**]
DATA_FIELD **(Required, Key)**	The data field (from DATA_TYPE and DATA_FIELD). [**String (20)**]
DATA_ATTR	The data value (string representation). [**String (1024)**]

NC_DATA

This business object records a Non-Conformance Incident and secondary NCs logged against an SFC (or other object). These NCs normally are initiated via the Log NC and NC tracking activities.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. This contains a string version of the Incident Date/Time in local time format. [**HANDLE**]
SITE	The site this NC was logged in. [**String (6)**]
NC_CONTEXT_GBO **(Required, Key)**	A handle to the object for which this NC entry was logged. Can only be an SFCBO in this release. [**HANDLE**] (Expanded Archive Columns: **NC_CONTEXT_SITE, NC_CONTEXT_SFC**) [**SFCBO**]
PARENT_NC_DATA_BO	The parent NC this was logged against (if this is a secondary NC). If empty, then this NCDataBO is considered a primary NC. [HANDLE(NCDataBO)]. [**NCDataBO**] [**HANDLE**]
USER_BO **(Required, Key)**	The user that logged this NC. [HANDLE(UserBO)] [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
SEQUENCE **(Key)**	A sequential value used to ensure all entries are unique. Allows a user to log multiple NCs in one incident against the same SFC. [**INTEGER**]
INCIDENT_DATE_TIME **(Required, Key)**	The Date/Time the original NC incident was logged. [**DATE_TIME**]
DATE_TIME	The Date/Time this NC was logged.
QTY	The number of pieces that were non-conformed.
DEFECT_COUNT	The number of defects found. [**QTY**]
COMMENTS	The operator comments. [**CLong**]
TIMES_PROCESSED	The TimesProcessed for the step the SFC was at when NCd.. [**INTEGER**]
NC_CODE_BO	The NC Code this NC was logged for. [**HANDLE**] (Expanded Archive Columns: **NC_CODE_SITE, NC_CODE**)
NC_DATA_TYPE_BO	The NC Data Type used to collect data for this NC. [**HANDLE**] (Expanded Archive Columns: **NC_DATA_TYPE_SITE, NC_DATA_TYPE_NAME, NC_DATA_TYPE_CATEGORY**)

COLUMN	Description/Default
NC_CATEGORY	Defines the category for this NC Code. Usually FAILURE, DEFECT or REPAIR, but can be customized in a resource bundle. Used only for reporting purposes. When an NCData is created the NCCodeBO.NCCategory is copied to this. This allows reports to easily distinguish between the types of codes. [**String (20)**]
COMPONENT_BO	The component the NC was associated with. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SITE, COMPONENT_ITEM, COMPONENT_REVISION**)
COMP_CONTEXT_GBO	The Component Identifier used (can be InventoryBO or SFCBO). [**HANDLE**] [**SFCBO**]
IDENTIFIER	The Identifier (for the component) as entered by the user. [**String (40)**]
REF_DES	The RefDes (location) for the component with which the NC was associated. [**String (36)**]
FAILURE_ID	The Failure ID returned for the NC. Normally returned from a tester. [**String (40)**]
STEP_ID	The step at which this SFC was non-conformed. [**String (6)**]
ROUTER_BO	The router this SFC was on when NCd. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_TYPE, ROUTER_REVISION**)
DISPOSITION_ROUTER_BO	The router invoked as an immediate disposition when this entry NC was logged. The router this SFC was dispositioned to when this NC was logged. [**RouterBO**] [**HANDLE**] (Expanded Archive Columns: **DISPOSITION_ROUTER_SITE, DISPOSITION_ROUTER, DISPOSITION_ROUTER_TYPE, DISPOSITION_ROUTER_REVISION**)
OPERATION_BO	The operation this SFC was at when NCd. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
RESOURCE_BO	The resource from where the NC was logged. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESRCE**)
WORK_CENTER_BO	The work center from which the NC was logged. [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER_SITE, WORK_CENTER**)
REPORTING_CENTER_BO	The reporting center for the router step. [**HANDLE**] (Expanded Archive Columns: **REPORTING_CENTER_SITE, REPORTING_CENTER**)

COLUMN	Description/Default
ITEM_BO	The SFCs Item when NCd. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
NC_STATE	This indicates what state this NC entry is in. Valid values include: § **Open (O)** - The NC is open. § **Closed (C)** - The NC has been closed. § **Cancelled (D)** - The NC has been cancelled. The record remains, but is not counted in the standard NC reports. § **Close Pending (P)** - The NC is to be closed when all its children NCs are closed. [**String (1)**]
TRANSFERRED_TO_DPMO	Indicates if this record has already been transferred to the DPMO Transfer table. [**String (1)**]
VERIFIED_STATE	Indicates if the NC incident has been verified or not. Verified means a re-test finished without the same NC. Valid values include: § **Verified (V)** - The NC has been verified. § **Not Verified (N)** - The NC has not been verified. § **Unknown (K)** - The verified state is unknown. [**String (1)**]
VERIFIED_DATE_TIME	The Date/Time the NC was verified. [**DATE_TIME**]
CLOSURE_REQUIRED	True if this NC must be closed. [**BOOLEAN**]
CLOSED_DATE_TIME	The date/time this NC was closed. [**DATE_TIME**]
CLOSED_USER_BO	The user who closed this NC. [**HANDLE**] (Expanded Archive Columns: **CLOSED_USER_SITE, CLOSED_USER_ID**)
LOCATION	The location at which the NC has been logged. No multiple locations supported. [**String (20)**]
DPMO_CATEGORY_BO	DPMO Category Handle associated with that NC Data object [**HANDLE**]
ROOT_CAUSE_OPER_BO	Root Cause Operation Handle associated with this NC Data obj. [**HANDLE**] (Expanded Archive Columns: **ROOT_CAUSE_OPER_SITE, ROOT_CAUSE_OPER_OPERATION, ROOT_CAUSE_OPER_REVISION**)
INCIDENT_NUMBER_BO	Incident Handle associated with that non-conformance incident [**HANDLE**] (Expanded Archive Columns: **INCIDENT_NUMBER_SITE, INCIDENT_NUMBER**)

COLUMN	Description/Default
DISPOSITION_DONE	Disposition flag for NC. True if this NC record has been dispositioned. [**BOOLEAN**]
CANCELLED_DATE_TIME	The date/time this NC record was last cancelled. [**DATE_TIME**]
CANCELLED_USER_BO	The user that last cancelled this NC record. [**HANDLE**] (Expanded Archive Columns: **CANCELLED_USER_SITE, CANCELLED_USER_ID**)
COMPONENT_SFC_BO	Refers to the parent or a subassembly SFC for which the NC record is being logged. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SFC_SITE, COMPONENT_SFC**)
COMPONENT_SFC_ITEM_BO	The item corresponding to the value in COMPONENT_SFC_BO. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SFC_ITEM_SITE, COMPONENT_SFC_ITEM, COMPONENT_SFC_ITEM_REVISION**)
DISPOSITION_FUNCTION_BO	The handle of the disposition function selected when dispositioning. [**HANDLE**] (Expanded Archive Columns: **DISPOSITION_FUNCTION_SITE, DISPOSITION_FUNCTION**)
ACTION_CODE	The action code logged when dispositioning. [**String (20)**] (Expanded Archive Columns: **ACTION_CODE**)
ASSEMBLY_INCIDENT_NUM	Captures the vertical reference number that associates NC records for components in an assembly. [**String (36)**]
BATCH_INCIDENT_NUM	Captures the horizontal reference number that associates all SFC's that are being nonconformed in the current NC session. [**String (36)**]
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)

COLUMN	Description/Default
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
COPIED_FROM_NC_DATA_BO	The NC_DATA record that this record was copied from (due to split, edit, etc). [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

NC_DATA_REF_DES

This contains additional Reference Designators and/or Components for a single NC_DATA record. If only a single Ref Des and/or Component is needed, then it is stored in the NC_DATA record.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. Derived from NC_DATA_BO, REF_DES, and COMPONENT_BO. [**HANDLE**]
NC_DATA_BO **(Required, Key)**	Handle to the NC_DATA parent record. [**HANDLE**]
REF_DES **(Key)**	The reference designator. If not specified, then COMPONENT_BO is required. [**String (36)**]
COMPONENT_BO **(Key)**	The component. If not specified, then REF_DES is required. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SITE, COMPONENT_ITEM, COMPONENT_REVISION**)
SFC_ASSY_BO	The assembly record corresponding to the specified Ref Des and/or Component. [**HANDLE**]

NC_DISP_ROUTER

Defines a possible disposition routing that is available when this NC code is logged.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
NC_CODE_DEF_BO **(Required, Key)**	The NCCode (Definition) that may use this router as a disposition. [**HANDLE**]
ROUTER_OR_GROUP_GBO **(Required, Key)**	The Router or Group that may be used as a disposition routing for this NCCode (def). [**HANDLE**] [**RouterBO, RouterGroupBO**]
SEQUENCE **(Required, Key)**	Controls the order in which this possible disposition routing is presented to the user. [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

NC_GROUP

This business object defines a group of NC Codes or other NC Groups. This object may also have an NC behavior defined for its member codes.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
NC_GROUP **(Required, Key)**	The NC Group's ID. [**String (16)**]
DESCRIPTION	The Group's description. [**String (40)**]
VALID_AT_ALL_OPERATIONS	True if this NC Group is valid at all operations. [**BOOLEAN**] [**String (5)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

COLUMN	Description/Default
PRIORITY	NC Group Filter Priority. This value is used for filtering open NC records for the open NC validation activity hook. [**INTEGER**]

NC_GROUP_MEMBER

This business object defines a member of an NC Group. These members may be an NCCode or another NCGroup.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SEQUENCE	Used to indicate the ordering of the members in a display. [**INTEGER**]
NC_GROUP_BO **(Required, Key)**	The parent objects handle. [**HANDLE**]
NC_CODE_OR_GROUP_GBO **(Required, Key)**	The member (an NCCodeBO or NCGroupBO). [**HANDLE**] [**NCCodeBO, NCGroupBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

NC_GROUP_VALID_OPER

This business object defines the Operations where the NCGroups are valid.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. [**HANDLE**]
NC_GROUP_BO **(Required, Key)**	The parent NC Group for this record. [**HANDLE**]
OPERATION_BO **(Required, Key)**	The operation this group is valid at. [**HANDLE**]

NC_SECONDARY_CODE

This business object defines the list of NC Codes (or Groups) that can be used as secondary codes.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
NC_CODE_DEF_BO	The NC Code or NC Group definition to which this Secondary Code "belongs". [**HANDLE**]
NC_CODE_OR_GROUP_GBO **(Required, Key)**	The Secondary code (or group). [**HANDLE**] [**NCCodeBO, NCGroupBO**]
SEQUENCE	Controls the order this NC Code is displayed in. [**INTEGER**]
REQUIRED	If true, then a member of this group is needed before the NC is closed. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

NC_VALID_OPER

This business object defines the list of valid Operations at which this NC Code (or Group) may be logged and the corresponding disposition group assignments.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
NC_CODE_DEF_BO **(Required, Key)**	The parent NC Code definition record for this operation and disposition group assignment. [**HANDLE**]
OPERATION_BO **(Required, Key)**	The assigned operation. [**HANDLE**]

COLUMN	Description/Default
DISPOSITION_GROUP_BO	The assigned disposition group. [**HANDLE**]
ENABLED	Indicates whether the current operation and disposition group assignment is enabled. [**BOOLEAN**]

NEXT_NUMBER

This business object defines a next number definition.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	Site this next number definition is for. [**String (6)**]

COLUMN	Description/Default
NEXT_NUMBER_TYPE **(Required, Key)**	Indicates the next number record type. Valid values include: § SFC Release (S) - § SFC Serialize (N) - § Shop Order (H) - § Process Lot (P) - § RMA Number (R) - § RMA SFC Number (M) - § Container Number (C) - § Incident Number (I) - § Slot Configuration (L) - § Inventory Receipt (V) - § CNC Program ID (D) - § Customer Order (U) - § Component Hold (Y) - § ECO Number (E) - § Vertical Reference Number (A) - § Horizontal Reference Number (B) - § Test Plan Configuration (T) – § Config Data Transfer (F) § Shop Order Batch Number (O) § ERP Inspection Unit ID (Q) § Custom Numbering Schemes (1, 2, 3, 4) [**String (1)**]
ITEM_OR_GROUP_GBO **(Required, Key)**	Item or item group to which this definition applies. If the next number applies to any item or item group, this value should be '*'. [**HANDLE**] [**ItemBO, ItemGroupBO**]
USER_PROMPT_TYPE	Indicates if the user should be prompted for the next number. **Note**: Not used in this release. [**String (1)**]
PREFIX	The prefix format string for a Next Number generation. [**String (128)**]
SUFFIX	The suffix format string for a Next Number generation. [**String (128)**]
NEXT_NUMBER_FORMAT	Unused in this release. [**String (256)**]
SEQUENCE_BASE	Numeric base for the sequence [**INTEGER**]

COLUMN	Description/Default
CURRENT_SEQUENCE	This is the current sequence value for this next number. This is the value that will be used for the next number that is generated. [**INTEGER**]
SEQUENCE_LENGTH	Number of digits that the sequence should fill. If the length is not zero (0), then the leading placeholders are filled with zeros to the proper length. [**INTEGER**]
MIN_SEQUENCE	Minimum numeric value sequence can have. The sequence number will be reset to this value and the current sequence cannot be set below this value. [**INTEGER**]
MAX_SEQUENCE	Maximum numeric value sequence can have. When the sequence exceeds this value, an error will occur and optional alarm triggered. [**INTEGER**]
RESET	Determines when the next number sequence is automatically reset to the MIN_SEQUENCE value. Valid values include: § **Never (N)** - Sequence is never reset automatically. § **Always (A)** - Sequence is reset automatically before every number that is generated. § **Daily (D)** - Sequence is reset automatically every day. § **Weekly (W)** - Sequence is reset automatically every week. § **Monthly (M)** - Sequence is reset automatically every month. § **Yearly (Y)** - Sequence is reset automatically every year. [**String (1)**]
INCR	The sequence increment used for each next number. [**INTEGER**]
CHANGE_STAMP	The date/time in milliseconds since January 1, 1970 that is used to determine when the next number value should be reset. It is set with the current time whenever the next number record is created, reset, or changed from not having a reset schedule to having a reset schedule. [**INTEGER**]
WARNING_THRESHOLD	When the next number approaches the MAX_SEQUENCE (minus this threshold), a warning event is triggered (Event NEXT_NUMBER_WARNING). [**INTEGER**]
ACTIVITY	This activity is executed just before the next number is generated. This allows custom replaceable parameters to be provided by the activity. [**String (412)**]
CONT_ON_IMPORT	If true, then when SFCs are created on shop order import, then this forces continuous numbering sequences for SFCs. [**BOOLEAN**]

COLUMN	Description/Default
MAX_VALUE_ALARM_BO	Alarm to trigger when the maximum value for the next number has been reached and all possible next number values appear to be exhausted. (Unused in this release). [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
COMMIT_IMMEDIATELY	Indicates if the record is to be immediately committed. [**BOOLEAN**]
SHOP_ORDER_TYPE_BO	Foreign key to SHOP_ORDER_TYPE. Indicates the type of shop order. [**Handle**]
CONTAINER_BO	The container this next number is defined for. [**Handle**]
DEFINED_BY	This holds the combined ITEM_OR_GROUP_GBO, SHOP_ORDER_TYPE_BO and/or CONTAINER_BO needed to make the record unique. [**Handle**]

ODS_ASSEMBLY_HISTORY

This table holds assembly detail records. These records can be updated when components are removed. Records from SFC_ASSY are copied (1 to 1) to this table. This table also contains time-based data if convert to discrete option is in use. Records from SFC_ASSY_DATA and NC_CUSTOM_DATA are flattened.

Note: This table is located in the ODS database.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site the component was assembled in. [**String (6)**]
ASSEMBLY_SFC	The parent assembly SFC Number. [**String (128)**]
ASSEMBLY	The Item for the Parent Assembly. [**String (128)**]
ASSEMBLY_REVISION	The Item Revision for the Parent Assembly. [**String (20)**]

COLUMN	Description/Default
ASSY_ID	A unique identifier for this particular assembled qty (component). Used for the removal of specific components. [**SEQUENCE**]
BOM	The ID this BOM is known by. [**String (128)**]
BOM_REVISION	The BOM's revision. [**String (20)**]
BOM_TYPE	Indicates if the BOM is a User BOM (defined and maintained by a user for an Item/ShopOrder) or a runtime BOM that is defined for only a ShopOrder or SFC. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**String (1)**]
BOM_COMPONENT	The component that is required by the BOM (may be different from the actual component if alternates are used). [**String (128)**]
BOM_COMPONENT_REVISION	The BOM Component's item revision. [**String (20)**]
BOM_QTY	The number of pieces required for this BOM component. [**FLOAT**]
SEQUENCE	The order the component is displayed relative to other BOM components. [**INTEGER**]
COMPONENT	The Item for the actual component assembled. [**String (128)**]
COMPONENT_REVISION	The Item Revision for the actual component assembled. [**String (20)**]
SHOP_ORDER	The Shop Order for this assembly. [**String (36)**]
CUSTOMER	The customer this assembly was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this assembly was produced against. [**String (40)**]
OPERATION	The Operation where the assembly activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Assembly Operation. [**String (20)**]
ROUTER	The Router where the assembly activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Assembly Router. [**String (20)**]

COLUMN	Description/Default
ROUTER_TYPE	The Router Type where assembly activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
STEP_ID	The Router Step ID where the assembly activity took place. [**String (6)**]
RESRCE	The Resource where the assembly activity took place. [**String (36)**]
ASSEMBLED_DATE_TIME	The date this record was inserted. [**DATE_TIME**]
ASSEMBLED_PRODUCTION_SHIFT	The production shift corresponding to the ASSEMBLED_DATE_TIME column. [**String (32)**]
ASSEMBLED_BY	The User ID that performed the assembly. [**String (30)**]
REMOVED_DATE_TIME	The date the component was removed. [**DATE_TIME**]
REMOVED_PRODUCTION_SHIFT	The production shift corresponding to the REMOVED_DATE_TIME column. [**String (32)**]
REMOVED_BY	The User ID that removed the component. [**String (30)**]
EXTERNAL_LOT	The component's external lot number. [**String (1024)**]
EXTERNAL_SERIAL	The component's external serial number. [**String (1024)**]
VENDOR	The component's vendor. [**String (1024)**]
VENDOR_LOT	The component's vendor lot. [**String (1024)**]
VENDOR_DATE_CODE	The component's vendor date code. [**String (1024)**]
INVENTORY_ID	The component's inventory id. Could be a pruchased component or a component SFC number. [**String (128)**]

COLUMN	Description/Default
REF_DES	The reference designator at which this component was assembled. [**String (36)**]
LOCATION	The location at which this component was assembled. [**String (20)**]
ASSEMBLY_STATE	Indicates the state of this assembly record. Valid values include: § **Removed (R)** - Component has been removed. § **Uncertain (U)** - Component was assembled via Time-Based resource, but other lots may have been assembled too. § **Active (A)** - The component is currently assembled. [**String (1)**]
EXCESS	The component is an excess component. As flagged in SFC_ASSY. [**BOOLEAN**]
TESTPART	The component is a test part. [**BOOLEAN**]
NON_BOM	The component is a non-BOM. [**BOOLEAN**]
TIME_BASED	The component is a time-based component. [**BOOLEAN**]
QTY	Quantity assembled / removed. [**FLOAT**]
ASSY_DATA_TYPE_BO	The assembly data type used to collect the assembly data. [**HANDLE**]
ODS_CREATED_DATE_TIME	The date/time this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date this record was modified. [**DATE_TIME**]
PREV_SITE **(Required, Key)**	The previous site for which this object is defined. [**String (6)**]
ORIGINAL_TRANSFER_KEY	The handle for transfer object. This is a unique value made up of the key fields in the object. [**String (412)**]
PROCESS_LOT **(Required, Key)**	The PROCESS_LOT of the BOM. [**String (128)**]
[Data Fields]	Column name is user defined, and mapped from SFC_ASSY_DATA, INVENTORY_ASSY_DATA, or COMP_TIME_ASSY_DATA.

ODS_BOM

This business object is a maintenance object that provides the primary application interface for BOM information. The BOM object has references to second-class objects that represent status, unit-of-measure, and the BOM components. It contains BOM header information as well as a set of BOM Components.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
BOM **(Required, Key)**	The ID this BOM is known by. [**String (128)**]
BOM_TYPE **(Required, Key)**	Indicates if the BOM is a User BOM (defined and maintained by a user for an Item/ShopOrder) or a runtime BOM that is defined for only a ShopOrder or SFC. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**String (1)**]
COPIED_FROM_BOM_REVISION **(Required, Key)**	BOM REVISION this one was copied from. [**String (6)**]
CURRENT_REVISION	If true, then this is the current revision of this BOM. [**BOOLEAN**]
EFF_START_DATE	The Effectivity Start Date (unused in this release). [**DATE_TIME**]
EFF_END_DATE	The Effectivity End Date (unused in this release). [**DATE_TIME**]
DESCRIPTION	The BOM's description. [**String (40)**]
STATUS_BO	The status of this BOM. Status provided by the Product Definition Status Group. [**HANDLE**]
HAS_BEEN_RELEASED	Indicates if any SFCs have been released on this BOM. BOM May not be edited if 'true'. [**BOOLEAN**]
KIT	'true' if this BOM is a kit BOM. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
ODS_MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
TMP_BOM	'true' if this BOM is temporary BOM. [**BOOLEAN**]
BOM_REVISION	The BOM's revision. [**String (20)**]
COPIED_FROM_BOM	BOM this one was copied from. [**String (128)**]
ERP_BILL_OF_MATERIAL	The name of this BOM as it is known in ERP. [**String(128)**]
PREV_SITE **(Required, Key)**	The previous site for which this object is defined. [**String (6)**]
ORIGINAL_TRANSFER_KEY	The handle for transfer object. This is a unique value made up of the key fields in the object. [**String (412)**]
BOM_TEMPLATE	'true' if this BOM is a template or not. [**BOOLEAN**]

ODS_BOM_COMPONENT

This business object provides all information about a BOM component and includes information such as the component (item) identifier, revision, quantity to assemble as well as other attributes documented above in the Server Object Design. This object may contain a set of BOMOperation objects that describe specific details about assembly of this component at specific operations. Also, the assembly details are delegated to a basic data structure object, BOMAssyDetail.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
BOM_BO **(Required, Key)**	Parent BOM ID. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the component is displayed relative to other BOM components. [**INTEGER**]

COLUMN	Description/Default
BOM_COMPONENT_TYPE	The type of component this record represents. Valid values include: § **Normal BOM component (N)** – A normal component that is consumed into the assembly. § **Test BOM component (T)** – A test component is traditionally removed from the assembly before shipment. § **Phantom BOM component (P)** – The component is assembled into the parent, but it is considered a phantom component. The phantom parent is specified using the PARENT_SEQUENCE column. § **Co-Product BOM component (C)** – The component is a co-product of this assembly. This follows the normal ERP meaning for a co-product. This is not used in SAP ME 6.0. § **By-product BOM component (B)** - The component is a by-product of this assembly. This follows the normal ERP meaning for a by-product. This is not used in SAP ME 6.0. [**String(1)**]
ENABLED	True if this component is required on this BOM. [**BOOLEAN**]
PARENT_SEQUENCE	If this is a phantom BOM component, then this is the sequence for the component's parent. [**INTEGER**]
VALID_START	The starting date that this component is required on the BOM. [**DATE_TIME**]
VALID_END	The ending date that this component is required on the BOM. [**DATE_TIME**]
QTY	The number of pieces in the bill. [**FLOAT**]
USE_ITEM_DEFAULTS	If true, then the item defaults should be used for this component. [**BOOLEAN**]
PRE_ASSEMBLED	If true, then this component is assumed to be preassembled and requires no specific assembly point. It may be processed later using configuration maintenance. [**BOOLEAN**]
TEST_PART	If "true", then this component is a test part. This means it is normally removed from the assembly before shipment. [**BOOLEAN**]
KIT	'true' if this component is a kit component. [**BOOLEAN**]
DISASSEMBLE_OPERATION	The operation this test part is expected to be removed from. [**String (36)**]
DISASSEMBLE_OP_DESCRIPTION	The BOM's description [**String (40)**]

COLUMN	Description/Default
CREATE_TRACKABLE_SFC	If 'Y', then this component can become a trackable SFC. [**BOOLEAN**]
MAXIMUM_USAGE	The maximum number of times this component may be used. [**INTEGER**]
COMPONENT_REVISION	The BOM's component revision. [**String (20)**]
COMPONENT **(Required, Key)**	Item to use as a Component in the BOM. [**String (128)**]
BOM_TEMPLATE	If this component is generated by expanding (or flattening) a Template, then the name of the original Template BOM goes here. [**BOOLEAN**]
ASSEMBLE_AS_REQ	This flag used to denote if qty of this component is consumed as required. If the flag is true, quantity of this component is not tracked. [**BOOLEAN**]
AUTO_CONSUME_KIT	This field is not used till 4.2. [**BOOLEAN**]

ODS_BOM_OPERATION

This business object provides specific information about an operation at which a BOM component can be assembled. In particular, it contains the operation and quantity to assemble. It also may contain a set of BOMRefDes objects that define reference designator data.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
QTY	The number of pieces to assemble. [**FLOAT**]
BOM_COMPONENT_BO **(Required, Key)**	The BOMComponent this Operation is part of. [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
BOM_OPERATION **(Required, Key)**	The operation for the BOM. [**String (128)**]
BOM_OPERATION_DESCRIPTION	The BOM's OPERATION description. [**String (40)**]

ODS_BOM_REF_DES

This business object provides specific information about a reference designator, at an operation at which a BOM component can be assembled. In particular, it contains the reference designator ID and quantity to assemble.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
REF_DES **(Required, Key)**	The reference designator(s) where this component should be assembled. [**String (36)**]
QTY	The number of pieces to assemble at this Ref Des. [**FLOAT**]
BOM_REF_DES_PARENT_GBO **(Required, Key)**	The BOMComponentBO or BOMOperationBO this Ref Des is part of. [**HANDLE**] [**BOMComponentBO, BOMOperationBO**]
SEQUENCE **(Required, Key)**	Unique Identifier. Each Ref Des will get a unique Sequence number. [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ODS_COMP_TIME_LOG

This business object contains long term storage for Component Time Log detail records. Records in COMP_TIME_LOG are copied (1 to 1) to this table. Comp Time Log records are associated with reference designators, and individual COMP_TIME_ASSY_DATA records are stored in this table as columns.

Note: This table is located in the ODS database.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site where the production occurred. [**String (6)**]
RESRCE	The resource that the components were loaded on. [**String (36)**]

COLUMN	Description/Default
SLOT	This is the slot that components are loaded on. [**String (16)**]
SEQUENCE	This controls the order the slots are displayed. [**INTEGER**]
HANDLE_SEQUENCE **(Required, Key)**	A sequence to make a unique handle when the same component is loaded on a resource. [**INTEGER**]
SLOT_STATE	This is the state for this component slot record. Valid values include: § **Name (C)** - Description. § **Current (C)** - The component lot is active and ready on the resource. § **Old (O)** - The component lot is an old lot that we previously loaded on the resource. [**String (1)**]
START_DATE_TIME	This is the date/time that the component lot was loaded. [**DATE_TIME**]
END_DATE_TIME	This is the time that the component lot was removed from the slot. On active records, it is set to the End Of Time (to speed queries). [**DATE_TIME**]
COMPONENT	This is the component that is (was) loaded in the slot. [**String (128)**]
COMPONENT_REVISION	The loaded component revision. [**String (20)**]
REQD_COMPONENT	This required component (BOM component). [**String (128)**]
REQD_COMPONENT_REVISION	The required component revision (BOM component revision). [**String (20)**]
QTY	The number of components loaded onto the resource. This value is not automatically adjusted by SAP ME. [**FLOAT**]
FEEDS_ALL_REF_DES	If true, then this slot feeds (fed) all Reference Designators on the assemblies produced. [**BOOLEAN**]
FEEDS_ALL_LOCATIONS	If true, then this slot feeds (fed) all Locations (boards on a panel) on the assemblies produced. [**BOOLEAN**]
USER_ID	The User ID that performed the component replenishment. [**String (30)**]
REF_DES	The REF_DES that this slot feeds. [**String (36)**]
EXTERNAL_LOT	The component's external lot number. [**String (1024)**]

COLUMN	Description/Default
EXTERNAL_SERIAL	The component's external serial number. [**String (1024)**]
VENDOR	The component's vendor. [**String (1024)**]
VENDOR_LOT	The component's vendor lot. [**String (1024)**]
VENDOR_DATE_CODE	The component's vendor date code. [**String (1024)**]
INVENTORY_ID	The component's inventory id. Could be a pruchased component or a component SFC number. [**String (128)**]
ODS_CREATED_DATE_TIME	The date this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date this record was modified. [**DATE_TIME**]
[Data Fields]	Column name is user defined, and mapped from COMP_TIME_ASSY_DATA.

ODS_DEFECT_SUMMARY

Contains summary records from ODS_NC_DATA and ODS_PRODUCTION_DATA and is updated by periodic rollups of NC_DATA.

Note: This table is located in the ODS database.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site for this summary record. [**String (6)**]
PRODUCTION_DATE	The production date for this summary record. This is the production date that the SFC was processed at the responsible operation. [**DATE_TIME**]
TIME_DIM_ID	The time dim ID reference [**String (412)**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. The Day Class corresponds to when the SFC was processed at the responsible operation. [**String (20)**]

COLUMN	Description/Default
PRODUCTION_SHIFT	The production shift for this summary record. The Production Shift corresponds to when the SFC was processed at the responsible operation. [**String (32)**]
PRODUCTION_HOUR	The production date / time (hour) for this summary record. The Production Hour corresponds to when the SFC was processed at the responsible operation. [**DATE_TIME**]
ITEM	The item for this summary record. [**String (128)**]
ITEM_REVISION	The item revision for this summary record. [**String (20)**]
OPERATION	The operation where the defect was logged. If the defect is logged at an inspection station, the inspection operation is stored in this column. [**String (36)**]
OPERATION_REVISION	The revision of the Logging operation. [**String (20)**]
RESRCE	The resource for this summary record. [**String (36)**]
ROOT_CAUSE_OP	The responsible operation for this summary record. [**String (36)**]
ROOT_CAUSE_OP_REVISION	The responsible operation revision for this summary record. [**String (20)**]
DPMO_CATEGORY	The DPMO Category for the NC Code. [**String (30)**]
NC_CODE	The NC Code (Defect) for this summary record. [**String (16)**]
SHOP_ORDER	The Shop Order for this summary record. [**String (36)**]
ORDER_TYPE	The type of shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The Customer for this summary record. [**String (40)**]
CUSTOMER_ORDER	The Customer Order for this summary record. [**String (40)**]

COLUMN	Description/Default
DPMO_OPPORTUNITY_COUNT	The defect opportunity count for the given Item, Operation and DPMO Category. If summarization is being performed by NC Code, this count is duplicated for each NC Code logged and represents the defect opportunity count for the DPMO Category. [**FLOAT**]
COMPLETE_QTY	Total pieces produced at the responsible operation. [**FLOAT**]
DEFECT_COUNT	Number of defect occurrences. [**FLOAT**]
TIMES_PROCESSED	The number of times the units passed through the step. [**INTEGER**]
ODS_CREATED_DATE_TIME	The date this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date this record was modified. [**DATE_TIME**]

ODS_DPMO_GROUP_TIME_DIM

This table is used to store the TIME_DIM_ID records for each ODS_DPMO_TRANSFER detail record.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID	This id is generated using the sequence ODS_DPMO_GROUP_TIME_DIM_SEQ if DB vendor is Oracle.If DB vendor is SQL SERVER, it is calculated like max(ID) +1. [**String (128)**]
TIME_DIM_ID	ODS Time Dim ID of the ODS_DPMO_TRANSFER detail record. [**String (412)**]

ODS_DPMO_TRANSFER

This is a transfer table used to copy detailed DPMO activity records from QIP into ODS. There records are summarized into ODS_DEFECT_SUMMARY.

Note: This table is located in the ODS database.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site for this transfer record. [**String (6)**]
SFC	The SFC related to this event. [**String (128)**]
DPMO_GROUP_TIME_DIM_ID	The group time dim ID reference. This references the table 'ODS_DPMO_GROUP_TIME_DIM'. [**String (412)**]
PRODUCTION_DATE	The production date for this summary record. [**DATE_TIME**]
PRODUCTION_DATE_TIME	The date/time associated with the production of the SFC at the root cause operation. For Completes, this is the complete time. For defects, this is the date/time when the SFC was processed at the root cause operation. [**DATE_TIME**]
PRODUCTION_SHIFT	The production shift for this summary record. [**String (32)**]
PRODUCTION_HOUR	The production date / time (hour) for this summary record. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
ITEM	The Item in use. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The operation's revision. [**String (20)**]
RESRCE	The Resource at which this production activity took place. [**String (36)**]
ROOT_CAUSE_OP	The operation responsible for the defect. [**String (36)**]
ROOT_CAUSE_OP_REVISION	The root cause operation's revision. [**String (20)**]
NC_CODE	If a defect is logged, this is the NC Code for the defect. [**String (16)**]
DPMO_CATEGORY	The DPMO Category assigned to the Defect NC Code. [**String (30)**]
DPMO_OPPORTUNITY_COUNT	The number of defect opportunities for the item. Depending on the configuration, this is the number of defect opportunities for the item at the current operation, or across all operations. [**FLOAT**]

COLUMN	Description/Default
COMPLETE_QTY	The quantity completed at the root cause operation. [**FLOAT**]
DEFECT_COUNT	The number of defects logged. [**FLOAT**]
TIMES_PROCESSED	The number of times the SFC was processed at this operation. [**INTEGER**]
SFC_DONE_SCRAPPED	True if the SFC was either done or has been scrapped. [**BOOLEAN**]
DATE_TIME	The date/time the action occurred (either a complete, or when a defect was logged). See Production Date Time.
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
ORDER_TYPE	The order type for this shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The customer for this shop order. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this shop order is being produced against. [**String (40)**]
ODS_CREATED_DATE_TIME	The date this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date this record was modified. [**DATE_TIME**]
ODS_DATE_TIME	The date time this record was updated. This time is localized based on the system rule. [**DATE_TIME**]
ODS_PRODUCTION_DATE_TIME	The ODS production date for this summary record. [**DATE_TIME**]

ODS_EXTRACT_CONTROL_DATE

This table is used to control the ODS extraction/summarization processes. It is updated each time the ODS extraction processes run. It is also used to make sure only one copy of a given ODS process runs at a given time.

Note: This table is located in the ODS database, but a view/synonym exists in the WIP database that points to this table.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
TABLE_NAME	The name of the extraction/summary table that is was processed. Not all ODS tables will have a record in this table. [**String (128)**]
TRANS_TYPE	The transaction type (action) associated with this run. Each phase of the extraction process normally has a unique transaction type. [**String (1)**]
LAST_EXTRACT_DATE_TIME	Unused in this release. [**DATE_TIME**]
EXTRACT_DATE_TIME	The date/time the extraction phase last ran. [**DATE_TIME**]

ODS_GROUP_TIME_DIM

This table is used to store the TIME_DIM_ID records for each ODS_PRODUCTION_LOG record.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID	This id is generated using the sequence ODS_GROUP_TIME_DIM_SEQ if DB vendor is Oracle.If DB vendor is SQL SERVER, it is calculated like max(ID) +1. [**String (128)**]
TIME_DIM_ID	ODS Time Dim ID of the ODS_PRODUCTION_LOG detail record. [**String (412)**]

ODS_LABOR_LOG

This table records time spent working on specific SFCs for specific users. This is a copy of the LABOR_LOG_MEMBER table, with the LABOR_LOG columns expanded. Additional data from WIP is added and handles are expanded into discrete columns. The records in this table have been summarized into ODS_LABOR_SFC_SUMMARY and ODS_LABOR_USER_SUMMARY.

Note: This table is located in the ODS database.

Note: These records may have custom fields from Cost Center, Labor Charge Code, Item and User objects.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
ROLLUP_ID **(Required, Key)**	A unique ID that identifies a single execution of the rollup program. This allows the rollup records to be uniquely identified for editing/export purposes (along with the SEQUENCE). This value is a string form of the date plus a 3 digit random number. Format="yyyyMMdd.HHmmss.SSS" plus the 3 digit random number (24hr). [**String (24)**]
SEQUENCE **(Required, Key)**	A unique sequence for the given ROLLUP_ID. This number is assigned sequentially to all records created during a single rollup session (starting from 1 for each session). [**INTEGER**]
LABOR_ACTIVITY	The activity for this record. Valid values include: § Clock In (CLK_IN) - Clock in. § Clock Out (CLK_OUT) - Clock out. § **Sup In (SUP_IN)** - Supervisory Clock In. § **Sup Out (SUP_OUT)** - Supervisory Clock Out. § **Change User LCC (CHG_U_LCC)** - Change User Labor Charge Code. § **Labor (LABOR)** - Labor Time. § Non-SFC Labor (NS_LABOR) - Non-SFC Labor Time. [**String (10)**]
RECORD_TYPE	Unused in this release. [**String (1)**]
START_DATE_TIME	The date/time that this record begins at. [**DATE_TIME**]
START_DATE_MSEC	The date/time that this record begins at (in milliseconds since 1970, GMT). This is the same as START_DATE_TIME, but in milliseconds for more accurate calculations. [**LONG**]
END_DATE_TIME	The date/time that this labor time-slice ends at. End Of Time is used for currently active records. [**DATE_TIME**]
END_DATE_MSEC	The date/time that this labor time-slice ends at. End Of Time is used for currently active records (in milliseconds since 1970, GMT). This is the same as END_DATE_TIME, but in milliseconds for more accurate calculations. [**LONG**]
SITE	The site for this record. [**String (6)**]

COLUMN	Description/Default
USER_ID	The user for this labor record. [**String (30)**]
BADGE_NUMBER	The user's Badge Number for this labor record. [**String (40)**]
EMPLOYEE_NUMBER	The user's Employee Number for this labor record. [**String (40)**]
DEPARTMENT	The Department for the user. [**String (40)**]
USER_SHIFT	The effective User Shift for the user for this labor record. [**String (32)**]
OUT_OF_SHIFT	If "true", then this time was logged outside of the users effective shift. [**BOOLEAN**]
ACTIVE	Indicates if this Labor Log record is active or not (has active SFCs). Valid values include: § **Active (A)** - The labor log record is active and it has active SFCs. § **Closed (C)** - The labor log record is closed (not current). [**BOOLEAN**]
SFC	The SFC for this labor record. [**String (128)**]
ITEM	The Item for this labor record. [**String (128)**]
OPERATION	The Operation for this labor record. [**String (36)**]
RESRCE	The Resource for this labor record. [**String (36)**]
ROUTER	The Router for this labor record. [**String (128)**]
STEP_ID	The Step ID for this labor record. [**String (6)**]
SHOP_ORDER	The Shop Order for this labor record. [**String (36)**]
CUSTOMER_ORDER	The Customer Order for this labor record. [**String (40)**]
CUSTOMER	The Customer for this labor record. [**String (40)**]
LABOR_CHARGE_CODE	The Labor Charge Code for this labor record. [**String (128)**]

COLUMN	Description/Default
LABOR_TYPE	Indicates if the labor charge code is direct or indirect. Valid values include: § **Direct (D)** - Direct Labor. § **Indirect (I)** - Indirect Labor. [**String (1)**]
LABOR_SUBTYPE	The labor sub-type for the Labor Charge Code. [**String (128)**]
IS_DEFAULT_LCC	If "true", then this Labor Charge Code was the user's default Labor Charge Code at the time of the user's clock-in. [**BOOLEAN**]
LABOR_DATE	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The time is ignored (set to 12:01:00 am GMT). Use LABOR_DATE_CHAR to avoid GMT adjustments. [**DATE_TIME**]
LABOR_DATE_CHAR	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The format follows the normal Labor Tracking date format (YYYYMMDD). [**String (8)**]
LEVEL1_WORK_CENTER	Level 1 (Lowest Level) work center defined in work center maintenance. [**String (36)**]
LEVEL2_WORK_CENTER	Level 2 work center defined in work center maintenance. [**String (36)**]
LEVEL3_WORK_CENTER	Level 3 work center defined in work center maintenance. [**String (36)**]
LEVEL4_WORK_CENTER	Level 4 work center defined in work center maintenance. [**String (36)**]
LEVEL5_WORK_CENTER	Level 5 (highest Level) work center defined in work center maintenance. [**String (36)**]
REPORTING_CENTER	The reporting center for this record (From ROUTER_STEP). [**String (36)**]
LEVEL1_COST_CENTER	Level 1 (Lowest Level) cost center defined in cost center maintenance. [**String (128)**]
LEVEL2_COST_CENTER	Level 2 cost center defined in cost center maintenance. [**String (128)**]
LEVEL3_COST_CENTER	Level 3 cost center defined in cost center maintenance. [**String (128)**]
LEVEL4_COST_CENTER	Level 4 cost center defined in cost center maintenance. [**String (128)**]

COLUMN	Description/Default
LEVEL5_COST_CENTER	Level 5 (Highest Level) cost center defined in cost center maintenance. [**String (128)**]
REWORK	If "true", then this time is considered rework. [**BOOLEAN**]
ELAPSED_TIME	The elapsed time (in milliseconds) for this slice of labor for the user. [**LONG**]
ELAPSED_TIME_MIN	The elapsed time for this record in minutes (this is the same as ELAPSED_TIME, but in minutes for easier export). [**LONG**]
STANDARD_ELAPSED_TIME	The standard elapsed time (in milliseconds) for this slice of labor for the user. (Unused in this release). [**LONG**]
QTY	The SFC Qty processed. [**FLOAT**]
QTY_COMPLETED	The SFC Qty completed as "good" qty. [**FLOAT**]
WORK_TYPE	The type of work performed (may include resource setup in a future release). Valid values include: § **Normal (N)** - Normal work. [**String (1)**]
APPROVED	If "true", then this record has been approved by the system or a supervisor. [**BOOLEAN**]
ODS_LABOR_USER_SUMMARY_BO	A Handle that points to the ODS_LABOR_USER_SUMMARY record that this detail record was summarized into. Used for drill-down purposes. [**HANDLE**]
ODS_LABOR_SFC_SUMMARY_BO	A Handle that points to the ODS_LABOR_SFC_SUMMARY record that this detail record was summarized into. Used for drill-down purposes. [**HANDLE**]
ELAPSED_TIME_ONE	The elapsed time for this time-slice (in ms) assigned to category one (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_TWO	The elapsed time for this time-slice (in ms) assigned to category two (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_THREE	The elapsed time for this time-slice (in ms) assigned to category three (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FOUR	The elapsed time for this time-slice (in ms) assigned to category four (see STANDARD_VALUE_KEY). [**LONG**]

COLUMN	Description/Default
ELAPSED_TIME_FIVE	The elapsed time for this time-slice (in ms) assigned to category five (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_SIX	The elapsed time for this time-slice (in ms) assigned to category six (see STANDARD_VALUE_KEY). [**LONG**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]
OWNER_GBO **(Required, Key)**	Raw labor time is collected for this user. (Someday, this may be something other than a user). [**HANDLE**] [**UserBO**]

ODS_LABOR_SFC_SUMMARY

Summarizes labor time against SFCs and/or shop orders for export to an external billing or cost accounting system. This table is not editable. The customer decides how this data is summarized (by SFC, Shop Order, Customer Order, etc). This table is summarized from the LaborLog during Labor Rollup. This table is stored in the ODS database.

Note: This table is located in the ODS database.

Note These records may have custom fields from Cost Center, Labor Charge Code, Item and User objects.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
ROLLUP_ID **(Required, Key)**	A unique ID that identifies a single execution of the rollup program. This allows the rollup records to be uniquely identified for editing/export purposes (along with the SEQUENCE). This value is a string form of the date plus a 3 digit random number. Format="yyyyMMdd.HHmmss.SSS" plus the 3 digit random number (24hr). [**String (24)**]
SEQUENCE **(Required, Key)**	A unique sequence for the given ROLLUP_ID. This number is assigned sequentially to all records created during a single rollup session (starting from 1 for each session). [**INTEGER**]

COLUMN	Description/Default
SITE	The site for this record. [**String (6)**]
LABOR_ACTIVITY	The activity for this record. Valid values include: § Clock In (CLK_IN) - Clock in. § Clock Out (CLK_OUT) - Clock out. § **Sup In (SUP_IN)** - Supervisory Clock In. § **Sup Out (SUP_OUT)** - Supervisory Clock Out. § **Change User LCC (CHG_U_LCC)** - Change User Labor Charge Code. § **Labor (LABOR)** - Labor Time. § Non-SFC Labor (NS_LABOR) - Non-SFC Labor Time. [**String (10)**]
DEPARTMENT	The Department for the user. [**String (40)**]
OUT_OF_SHIFT	If "true", then this time was logged outside of the users effective shift. [**BOOLEAN**]
SFC	The SFC for this labor record. [**String (128)**]
ITEM	The Item for this labor record. [**String (128)**]
OPERATION	The Operation for this labor record. [**String (36)**]
RESRCE	The Resource for this labor record. [**String (36)**]
ROUTER	The Router for this labor record. [**String (128)**]
STEP_ID	The Step ID for this labor record. [**String (6)**]
SHOP_ORDER	The Shop Order for this labor record. [**String (36)**]
CUSTOMER_ORDER	The Customer Order for this labor record. [**String (40)**]
CUSTOMER	The Customer for this labor record. [**String (40)**]
LABOR_CHARGE_CODE	The Labor Charge Code for this labor record. [**String (128)**]
LABOR_DATE	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The time is ignored (set to 12:01:00 am GMT). Use LABOR_DATE_CHAR to avoid GMT adjustments. [**DATE_TIME**]

COLUMN	Description/Default
LABOR_DATE_CHAR	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The format follows the normal Labor Tracking date format (YYYYMMDD). [**String (8)**]
LEVEL1_WORK_CENTER	Level 1 (Lowest Level) work center defined in work center maintenance. [**String (36)**]
LEVEL2_WORK_CENTER	Level 2 work center defined in work center maintenance. [**String (36)**]
LEVEL3_WORK_CENTER	Level 3 work center defined in work center maintenance. [**String (36)**]
LEVEL4_WORK_CENTER	Level 4 work center defined in work center maintenance. [**String (36)**]
LEVEL5_WORK_CENTER	Level 5 (highest Level) work center defined in work center maintenance. [**String (36)**]
REPORTING_CENTER	The reporting center for this record (From ROUTER_STEP). [**String (36)**]
LEVEL1_COST_CENTER	Level 1 (Lowest Level) cost center defined in cost center maintenance. [**String (128)**]
LEVEL2_COST_CENTER	Level 2 cost center defined in cost center maintenance. [**String (128)**]
LEVEL3_COST_CENTER	Level 3 cost center defined in cost center maintenance. [**String (128)**]
LEVEL4_COST_CENTER	Level 4 cost center defined in cost center maintenance. [**String (128)**]
LEVEL5_COST_CENTER	Level 5 (Highest Level) cost center defined in cost center maintenance. [**String (128)**]
REWORK	If "true", then this time is considered rework. [**BOOLEAN**]
ELAPSED_TIME	The elapsed time (in milliseconds) for this slice of labor for the user. [**LONG**]
ELAPSED_TIME_MIN	The elapsed time for this record in minutes (this is the same as ELAPSED_TIME, but in minutes for easier export). [**LONG**]
STANDARD_ELAPSED_TIME	The standard elapsed time (in milliseconds) for this slice of labor for the user. (Unused in this release). [**LONG**]
ELAPSED_TIME_ONE	The elapsed time for this time-slice (in ms) assigned to category one (see STANDARD_VALUE_KEY). [**LONG**]

COLUMN	Description/Default
ELAPSED_TIME_TWO	The elapsed time for this time-slice (in ms) assigned to category two (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_THREE	The elapsed time for this time-slice (in ms) assigned to category three (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FOUR	The elapsed time for this time-slice (in ms) assigned to category four (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FIVE	The elapsed time for this time-slice (in ms) assigned to category five (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_SIX	The elapsed time for this time-slice (in ms) assigned to category six (see STANDARD_VALUE_KEY). [**LONG**]
QTY	The SFC Qty processed. [**FLOAT**]
QTY_COMPLETED	The SFC Qty completed as "good" qty. [**FLOAT**]
SFC_COUNT	The Number of SFCs summarized in this record. [**LONG**]
EXPORTED	If "true", then this record has been exported to an external system and should not be updated again. [**BOOLEAN**]
EXPORT_BATCH_ID	This is an ID that is used to identify a batch of records to be exported. It will be used to speed up the export of large numbers of record (to minimize the number of SQL statements). This number is assigned to unexported records during the export process. [**LONG**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

ODS_LABOR_USER_SUMMARY

This table contains the labor summary records for a User's labor time. This table is summarized from the LaborLog during Labor Rollup. This table is stored in the ODS database. The Supervisor Time Edit Activity displays, edits and approves records in this table.

Note: This table is located in the ODS database.

Note: These records may have custom fields from Cost Center, Labor Charge Code, Item and User objects.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**String (412)**]
ROLLUP_ID **(Required, Key)**	A unique ID that identifies a single execution of the rollup program. This allows the rollup records to be uniquely identified for editing/export purposes (along with the SEQUENCE). This value is a string form of the date plus a 3 digit random number. Format="yyyyMMdd.HHmmss.SSS" plus the 3 digit random number (24hr). [**String (24)**]
SEQUENCE **(Required, Key)**	A unique sequence for the given ROLLUP_ID. This number is assigned sequentially to all records created during a single rollup session (starting from 1 for each session). [**INTEGER**]
LABOR_ACTIVITY	The activity for this record. Valid values include: § Clock In (CLK_IN) - Clock in. § Clock Out (CLK_OUT) - Clock out. § **Sup In (SUP_IN)** - Supervisory Clock In. § **Sup Out (SUP_OUT)** - Supervisory Clock Out. § **Change User LCC (CHG_U_LCC)** - Change User Labor Charge Code. § **Labor (LABOR)** - Labor Time. § Non-SFC Labor (NS_LABOR) - Non-SFC Labor Time. [**String (10)**]
RECORD_TYPE	Unused in this release. [**String (1)**]
CLOCK_DATE_TIME	The date/time that this record begins at. [**DATE_TIME**]
SITE	The site for this record. [**String (6)**]
USER_ID	The user for this labor record. [**String (30)**]
BADGE_NUMBER	The user's Badge Number for this labor record. [**String (40)**]
EMPLOYEE_NUMBER	The user's Employee Number for this labor record. [**String (40)**]
DEPARTMENT	The Department for the user. [**String (40)**]

COLUMN	Description/Default
USER_SHIFT	The effective User Shift for the user for this labor record. [**String (32)**]
ITEM	The Item for this labor record. [**String (128)**]
OPERATION	The Operation for this labor record. [**String (36)**]
RESRCE	The Resource for this labor record. [**String (36)**]
ROUTER	The Router for this labor record. [**String (128)**]
STEP_ID	The Step ID for this labor record. [**String (6)**]
SHOP_ORDER	The Shop Order for this labor record. [**String (36)**]
CUSTOMER_ORDER	The Customer Order for this labor record. [**String (40)**]
CUSTOMER	The Customer for this labor record. [**String (40)**]
LABOR_CHARGE_CODE	The Labor Charge Code for this labor record. [**String (128)**]
LABOR_TYPE	Indicates if the labor charge code is direct or indirect. Valid values include: § **Direct (D)** - Direct Labor. § **Indirect (I)** - Indirect Labor. [**String (1)**]
LABOR_SUBTYPE	The labor sub-type for the Labor Charge Code. [**String (128)**]
IS_DEFAULT_LCC	If "true", then this Labor Charge Code was the user's default Labor Charge Code at the time of the user's clock-in. [**BOOLEAN**]
LABOR_DATE	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The time is ignored (set to 12:01:00 am GMT). Use LABOR_DATE_CHAR to avoid GMT adjustments. [**DATE_TIME**]
LABOR_DATE_CHAR	The date this labor was attributed to. Normally the calendar date of this activity, but it can be affect by the User Shift definition (see Labor Assignment). The format follows the normal Labor Tracking date format (YYYYMMDD). [**String (8)**]
LEVEL1_COST_CENTER	Level 1 (Lowest Level) cost center defined in cost center maintenance. [**String (128)**]

COLUMN	Description/Default
LEVEL2_COST_CENTER	Level 2 cost center defined in cost center maintenance. [**String (128)**]
LEVEL3_COST_CENTER	Level 3 cost center defined in cost center maintenance. [**String (128)**]
LEVEL4_COST_CENTER	Level 4 cost center defined in cost center maintenance. [**String (128)**]
LEVEL5_COST_CENTER	Level 5 (Highest Level) cost center defined in cost center maintenance. [**String (128)**]
REWORK	If "true", then this time is considered rework. [**BOOLEAN**]
OUT_OF_SHIFT	If "true", then this time was logged outside of the users effective shift. [**BOOLEAN**]
ELAPSED_TIME	The elapsed time (in milliseconds) for this slice of labor for the user. [**LONG**]
ELAPSED_TIME_MIN	The elapsed time for this record in minutes (this is the same as ELAPSED_TIME, but in minutes for easier export). [**LONG**]
STANDARD_ELAPSED_TIME	The standard elapsed time (in milliseconds) for this slice of labor for the user. (Unused in this release). [**LONG**]
ELAPSED_TIME_ONE	The elapsed time for this time-slice (in ms) assigned to category one (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_TWO	The elapsed time for this time-slice (in ms) assigned to category two (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_THREE	The elapsed time for this time-slice (in ms) assigned to category three (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FOUR	The elapsed time for this time-slice (in ms) assigned to category four (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_FIVE	The elapsed time for this time-slice (in ms) assigned to category five (see STANDARD_VALUE_KEY). [**LONG**]
ELAPSED_TIME_SIX	The elapsed time for this time-slice (in ms) assigned to category six (see STANDARD_VALUE_KEY). [**LONG**]
QTY	The SFC Qty processed. [**FLOAT**]
QTY_COMPLETED	The SFC Qty completed as "good" qty. [**FLOAT**]

COLUMN	Description/Default
SFC_COUNT	The number SFCs that make up this summary record. [**LONG**]
ORIGINAL_ELAPSED_TIME	The original elapsed time (in milliseconds) for this slice of labor for the user. This value is NOT editable by the supervisor. This value is a sum of all of the values for the user that match the summary keys. [**LONG**]
ORIGINAL_QTY	The original SFC Qty processed. Summed over other records with the same summary keys. [**FLOAT**]
ORIGINAL_QTY_COMPLETED	The original SFC Qty completed as "good" qty. Summed over other records with the same summary keys. [**FLOAT**]
EDITED	If "true", then this record has been edited by the supervisor. The original values (Qty, time, etc) are stored in columns that do not changed when edited. [**BOOLEAN**]
ACTIVE	If "true", then this record reflects the current active record for the user. This record is not editable and not exportable. It is likely to be changed after the next rollup. [**BOOLEAN**]
USER_COMMENTS	Comments entered by the user (not the supervisor). [**String(2000)**]
ACCEPTED	If "true", then this record was accepted by the labor user directly. [**BOOLEAN**]
USER_EDIT_DATE_TIME	The date/time the user edits his/her own record. [**DATE**]
EXPORTED	If "true", then this record has been exported to an external system and should not be updated again. [**BOOLEAN**]
EXPORT_BATCH_ID	This is an ID that is used to identify a batch of records to be exported. It will be used to speed up the export of large numbers of record (to minimize the number of SQL statements). This number is assigned to unexported records during the export process. [**LONG**]
APPROVED	If "true", then this record has been approved by the system or a supervisor. [**BOOLEAN**]
APPROVED_BY_USER_ID	The user that approved this record. [**String (30)**]
REMOVED	If "true", then this record has been deleted or edited by the supervisor. Removed records are not exported. [**BOOLEAN**]
EDIT_DATE_TIME	The date/time that record was edited. [**DATE_TIME**]

COLUMN	Description/Default
EDIT_USER_ID	The user that edited this record. [**String (30)**]
EDIT_COMMENTS	The comments logged when edited by the supervisor (comments go into the 'new' record). [**String (2048)**]
ORIGINAL_LABOR_USER_SUMMARY_BO	If this is an edited record, then this column will hold the HANDLE for the original record. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

ODS_NC_DATA

This table mirrors SAP ME NC_DATA. For now the PRODUCTION_LOG_CHARGED_HANDLE will point to the production log record corresponding to when this NC was logged.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle of this record. [**HANDLE**]
SITE	The site this NC was logged in. [**String (6)**]
CONTEXT	A text string that identifies the NC logging context. Currently “SFCBO” only. [**String (20)**]
SFC	The SFC the NC was logged against. [**String (128)**]
SHOP_ORDER	The shop order for the SFC. [**String (36)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
PARENT_NC_DATA_BO	The parent NC this was logged against (if this is a secondary NC). If empty, then this NCDataBO is considered a primary NC. [**HANDLE**]

COLUMN	Description/Default
USER_ID	The user id that logged the NC. [**String (30)**]
SEQUENCE	A sequential value used to ensure all entries are unique. Allows auser to log multiple NCs in one incident against the same SFC. [**LONG**]
INCIDENT_DATE_TIME	The Date/Time the original NC incident was logged. [**DATE_TIME**]
INCIDENT_NUMBER	The incident number for this NC. [**String (36)**]
DATE_TIME	The Date/Time this NC was logged. [**DATE_TIME**]
PRODUCTION_DATE	The production date the NC was logged. [**DATE_TIME**]
PRODUCTION_SHIFT	The production shift that the NC was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the NC was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
QTY	The number of pieces that were non-conformed. [**FLOAT**]
DEFECT_COUNT	The number of defects found. (Number of occurrences). [**FLOAT**]
COMMENTS	The comments entered by the operator. [**CLong**]
TIMES_PROCESSED	The Times Processed for the step the SFC was at when nonconformed. [**INTEGER**]
NC_CODE	The NC code's ID. [**String (16)**]
NC_DATA_TYPE	The name for the NC Data Type associated with the NC. [**String (32)**]
NC_CATEGORY	Defines the category for this NC Code. Usually FAILURE, DEFECT or REPAIR, but can be customized in a resource bundle. Used only for reporting purposes. When an NCData is created the NCCodeBO.NCCategory is copied to this. This allows reports to easily distinguish between the types of codes. [**String (20)**]
COMPONENT	The component the NC was logged against. [**String (128)**]
COMPONENT_REVISION	The revision of the component the NC was logged against. [**String (20)**]

COLUMN	Description/Default
INVENTORY_ID	The component's inventory id. Could be a pruchased component or a component SFC number. [**String (128)**]
EXTERNAL_LOT	The component's external lot number. [**String (1024)**]
EXTERNAL_SERIAL	The component's external serial number. [**String (1024)**]
VENDOR	The component's vendor. [**String (1024)**]
VENDOR_LOT	The component's vendor lot. [**String (1024)**]
VENDOR_DATE_CODE	The component's vendor date code. [**String (1024)**]
REF_DES	The reference designator at which this component was assembled. [**String (36)**]
IDENTIFIER	The Identifier (for the component) as entered by the user. [**String (40)**]
FAILURE_ID	The Failure ID returned for the NC. Normally returned from a tester. [**String (40)**]
STEP_ID	The Router Step ID where the NC activity took place. [**String (6)**]
ROUTER	The Router where the NC activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the NC Router. [**String (20)**]
ROUTER_TYPE	The Router Type where NC activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
DISPOSITION_ROUTER	The router invoked as an immediate disposition when this entry NC was logged. This is router that this SFC was dispositioned to when this NC was logged. [**String (128)**]
DISPOSITION_ROUTER_REV	The Revision of the Disposition Router. [**String (20)**]

COLUMN	Description/Default
OPERATION	The Operation where the NC activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the NC Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation the NC was logged at. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
ROOT_CAUSE_OPERATION	The operation responsible for the NC. [**String (36)**]
ROOT_CAUSE_OPERATION_REV	The revision of the root cause operation. [**String (20)**]
RESRCE	The Resource where the NC was logged. [**String (36)**]
WORK_CENTER	The Immediate Work Center of the Resource where the NC was logged. [**String (36)**]
ITEM	The non-conformed item (the assembly). [**String (128)**]
ITEM_REVISION	The non-conformed item revision. [**String (20)**]
NC_STATE	This indicates what state this NC entry is in. Valid values include: § **Open (O)** - The NC is open. § **Closed (C)** - The NC has been closed. § **Cancelled (D)** - The NC has been cancelled. The record remains, but is not counted in the standard NC reports. § **Close Pending (P)** - The NC is to be closed when all its children NCs are closed. [**String (1)**]
VERIFIED_STATE	Indicates if the NC incident has been verified or not. Verified means a re-test finished without the same NC. Valid values include: § **Verified (V)** - The NC has been verified. § **Not Verified (N)** - The NC has not been verified. § **Unknown (K)** - The verified state is unknown. [**String (1)**]

COLUMN	Description/Default
VERIFIED_DATE_TIME	The Date/Time the NC was verified. [DateTime] [**DATE_TIME**]
CLOSURE_REQUIRED	True if this NC must be closed. [**BOOLEAN**]
CLOSED_DATE_TIME	The date/time this NC was closed. [**DATE_TIME**]
CLOSED_USER_ID	The user who closed this NC. [**String (30)**]
LOCATION	The location at which the NC has been logged. No multiple locations supported. [**String (20)**]
REPORTING_CENTER	The Reporting Center where the NC was logged (from Router Step). [**String (36)**]
ODS_CREATED_DATE_TIME	The date this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date this record was updated [**DATE_TIME**]
NC_GROUP_TIME_DIM_ID	The time dimm ID reference. This references a table 'ODS_NC_GROUP_TIME_DIM'. [**String (412)**]
PREV_SITE **(Required, Key)**	The previous site for which this object is defined. [**String (6)**]
ORIGINAL_TRANSFER_KEY	The handle for transfer object. This is a unique value made up of the key fields in the object. [**String (412)**]
COMPONENT_SFC_ITEM_REVISION	Component SFC Item Revision. [**String (20)**]
COMPONENT_SFC_ITEM **(Required, Key)**	Component SFC Item. [**String (128)**]
COMPONENT_SFC **(Required, Key)**	Component SFC. [**String (128)**]
ODS_DATE_TIME	The date time this record was updated. This time is localized based on the system rule. [**DATE_TIME**]
ODS_CLOSED_DATE_TIME	The date/time this NC was closed. [**DATE_TIME**]
ODS_INCIDENT_DATE_TIME	The date of the incident. [**DATE_TIME**]
ODS_VERIFIED_DATE_TIME	The Date/Time the NC was verified. [**DATE_TIME**]
ASSEMBLY_INCIDENT_NUM	The ASSEMBLY_INCIDENT_NUM where the NC was logged. [**String (36)**]

COLUMN	Description/Default
BATCH_INCIDENT_NUM	The BATCH_INCIDENT_NUM where the NC was logged. [**String (36)**]
DISPOSITION_FUNCTION	The DISPOSITION_FUNCTION where the NC was logged. [**String (36)**]
ACTION_CODE	The BOM's ACTION_CODE. [**String (20)**]

ODS_NC_DATA_REF_DES

This contains additional Refernce Designators and/or Components for a single NC_DATA record. If only a single Ref Des and/or Component is needed, then it is stored in the NC_DATA record.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Derived from NC_DATA_BO, REF_DES, and COMPONENT_BO. [**HANDLE**]
NC_DATA_BO **(Required, Key)**	Handle to the NC_DATA parent record. [**HANDLE**]
REF_DES **(Key)**	The reference designator. If not specified, then COMPONENT_BO is required. [**String (36)**]
SFC_ASSY_BO	The assembly record corresponding to the specified Ref Des and/or Component. [**HANDLE**]
COMPONENT_REVISION	The Component revision. [**String (20)**]
COMPONENT **(Required, Key)**	The Component. [**String (128)**]
ODS_MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]

ODS_NC_DATA_SUMMARY

The ODS_NC_DATA table is periodically summarized into this table. The summary keys are determined by user.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site for this summary record. [**String (6)**]
TIME_DIM_ID	The time dim ID reference. [**String (412)**]
PRODUCTION_DATE	The production date the NC was logged. [**DATE_TIME**]
PRODUCTION_SHIFT	The production shift that the NC was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the NC was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
NC_CODE	The NC code's ID. [**String (16)**]
PARENT_NC_CODE	The Parent NC Code ID. [**String (16)**]
GRAND_PARENT_NC_CODE	The Grandparent NC Code ID (the PARENT_NC_CODE's parent). [**String (16)**]
INCIDENT_NC_CODE	The Incident NC Code ID (initial failure NC Code). [**String (16)**]
USER_ID	The user id that logged the NC. [**String (30)**]
QTY	The number of pieces that were non-conformed. [**FLOAT**]
DEFECT_COUNT	The number of defects found. (Number of occurrences). [**FLOAT**]
TIMES_PROCESSED	The Times Processed for the step the SFC was at when nonconformed. [**INTEGER**]
NC_CATEGORY	Defines the category for this NC Code. Usually FAILURE, DEFECT or REPAIR, but can be customized in a resource bundle. Used only for reporting purposes. When an NCData is created the NCCodeBO.NCCategory is copied to this. This allows reports to easily distinguish between the types of codes. [**String (20)**]
COMPONENT	The component the NC was logged against. [**String (128)**]

COLUMN	Description/Default
COMPONENT_REVISION	The revision of the component the NC was logged against. [**String (20)**]
INVENTORY_ID	The component's inventory id. Could be a pruchased component or a component SFC number. [**String (128)**]
EXTERNAL_LOT	The component's external lot number. [**String (1024)**]
EXTERNAL_SERIAL	The component's external serial number. [**String (1024)**]
VENDOR	The component's vendor. [**String (1024)**]
VENDOR_LOT	The component's vendor lot. [**String (1024)**]
VENDOR_DATE_CODE	The component's vendor date code. [**String (1024)**]
REF_DES	The reference designator at which this component was assembled. [**String (36)**]
IDENTIFIER	The Identifier (for the component) as entered by the user. [**String (40)**]
FAILURE_ID	The Failure ID returned for the NC. Normally returned from a tester. [**String (40)**]
STEP_ID	The Router Step ID where the NC activity took place. [**String (6)**]
ROUTER	The Router where the NC activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the NC Router. [**String (20)**]
ROUTER_TYPE	The Router Type where NC activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
DISPOSITION_ROUTER	The router invoked as an immediate disposition when this entry NC was logged. This is router that this SFC was dispositioned to when this NC was logged. [**String (128)**]

COLUMN	Description/Default
DISPOSITION_ROUTER_REV	The Revision of the Disposition Router. [**String (20)**]
OPERATION	The Operation where the NC activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the NC Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation the NC was logged at. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
RESRCE	The Resource where the NC was logged. [**String (36)**]
WORK_CENTER	The Immediate Work Center of the Resource where the NC was logged. [**String (36)**]
ITEM	The non-conformed item (the assembly). [**String (128)**]
ITEM_REVISION	The non-conformed item revision. [**String (20)**]
ROOT_CAUSE_OPERATION	The operation responsible for the NC. [**String (36)**]
ROOT_CAUSE_OPERATION_REV	The revision of the root cause operation. [**String (20)**]
LOCATION	The location at which the NC has been logged. No multiple locations supported. [**String (20)**]
SHOP_ORDER	The shop order for the SFC. [**String (36)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
REPORTING_CENTER	The Reporting Center where the NC was logged (from Router Step). [**String (36)**]
ODS_CREATED_DATE_TIME	The date/time this record was inserted. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]

COLUMN	Description/Default
ODS_MODIFIED_DATE_TIME	The date this record was updated. [**DATE_TIME**]
COMPONENT_SFC_ITEM_REVISION	Component SFC Item Revision. [**String (20)**]
COMPONENT_SFC_ITEM **(Required, Key)**	Component SFC Item. [**String (128)**]

ODS_NC_GROUP_TIME_DIM

This table is used to store the TIME_DIM_ID records for each ODS_NC_DATA detail record.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID	This id is generated using the sequence ODS_NC_GROUP_TIME_DIM_SEQ if DB vendor is Oracle.If DB vendor is SQL SERVER, it is calculated like max(ID) +1. [**String (128)**]
TIME_DIM_ID	ODS Time Dim ID of the ODS_NC_DATA detail record. [**String (412)**]

ODS_OPERATION_CYCLE_TIME

A straight summation of production log elapsed times by operations. Generated by periodic roll up of production log detail records.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]

COLUMN	Description/Default
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
TIME_DIM_ID	The time dim ID reference. [**String (412)**]
PRODUCTION_DATE	The production date the activity was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the activity was logged. [**DATE_TIME**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
LABOR_CHARGE_CODE	The labor charge code assigned to the shop order. [**String (128)**]
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]

COLUMN	Description/Default
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
REPORTING_CENTER	The Reporting Center where the activity was logged (from Router Step). [**String (36)**]
USER_ID	The user id that logged the activity. [**String (30)**]
COST_CENTER	The user's Cost Center where the activity was logged. [**String (128)**]
ROLLUP_COST_CENTER	The rollup cost center. [**String (128)**]
PASS1_QTY_PROCESSED	First Pass quantity processed. [**FLOAT**]
PASS1_QUEUE_QTY	First Pass quantity placed in queue. [**FLOAT**]
PASS1_QUEUE_TIME	Actual queue time for first pass quantity. [**FLOAT**]
PASS1_PROCESS_TIME	Actual processing time for first pass quantity. [**FLOAT**]
PASS1_WORK_QTY	The number of pieces actually worked. [**FLOAT**]
PASS1_STD_QUEUE_TIME	Standard queue time for first pass quantity. [**FLOAT**]
PASS1_STD_PROCESS_TIME	Standard processing time for first pass quantity. [**FLOAT**]
PASS2_QTY_PROCESSED	Second Pass quantity processed. [**FLOAT**]
PASS2_QUEUE_QTY	Second Pass quantity placed in queue. [**FLOAT**]

COLUMN	Description/Default
PASS2_QUEUE_TIME	Actual queue time for second pass quantity. [**FLOAT**]
PASS2_PROCESS_TIME	Acual processing time for second pass quantity. [**FLOAT**]
PASS2_WORK_QTY	The number of pieces actually worked on the second pass. [**FLOAT**]
PASS2_STD_QUEUE_TIME	Standard queue time for second pass quantity. [**FLOAT**]
PASS2_STD_PROCESS_TIME	Standard processing time for second pass quantity. [**FLOAT**]
PASS2PLUS_QTY_PROCESSED	Quantity processed on passes greater than 3. [**FLOAT**]
PASS2PLUS_QUEUE_QTY	The Quantity placed in queue on passes greater than 2. [**FLOAT**]
PASS2PLUS_QUEUE_TIME	Actual queue time for passes greater than 2. [**FLOAT**]
PASS2PLUS_PROCESS_TIME	Acual processing time for passes greater than 2. [**FLOAT**]
PASS2PLUS_WORK_QTY	The number of pieces actually worked on passes greater than 2. [**FLOAT**]
PASS2PLUS_STD_QUEUE_TIME	Standard queue time for passes greater than 2. [**FLOAT**]
PASS2PLUS_STD_PROCESS_TIME	Standard processing time for passes greater than 2. [**FLOAT**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

ODS_OPERATION_PRODUCTION

This table summarizes production quantities for various key criteria. Generated by periodic roll up of production log detail records.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]

COLUMN	Description/Default
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
PRODUCTION_DATE	The production date the activity was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the activity was logged. [**DATE_TIME**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
ORDER_TYPE	The order type for this shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
LABOR_CHARGE_CODE	The labor charge code assigned to the shop order. [**String (128)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]

COLUMN	Description/Default
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
WORK_CENTER	The Primary Workcenter for this summary record. [**String (36)**]
REPORTING_CENTER	The Reporting Center where the activity was logged (from Router Step). [**String (36)**]
USER_ID	The user id that logged the activity. [**String (30)**]
COST_CENTER	The user's Cost Center where the activity was logged. [**String (128)**]
ROLLUP_COST_CENTER	The rollup cost center. [**String (128)**]
PASS1_QTY_STARTED	Quantity started on first pass. [**FLOAT**]
PASS1_QTY_COMPLETED	Quantity completed on the first pass. [**FLOAT**]
PASS1_QTY_DONE	The quantity completed to a Done status on the first pass. [**FLOAT**]
PASS1_QTY_SCRAPPED	The quantity scrapped on the first pass. [**FLOAT**]
PASS1_QTY_NON_CONFORMED	The quantity nonconformed on the first pass. This means any level NC was logged. [**FLOAT**]
PASS1_QTY_FAILED	The quantity failed (initial NC logged) on the first pass. [**FLOAT**]
PASS2_QTY_STARTED	Quantity started on second pass. [**FLOAT**]

COLUMN	Description/Default
PASS2_QTY_COMPLETED	Quantity completed on the second pass. [**FLOAT**]
PASS2_QTY_DONE	The quantity completed to a Done status on the second pass. [**FLOAT**]
PASS2_QTY_SCRAPPED	The quantity scrapped on the second pass. [**FLOAT**]
PASS2_QTY_NON_CONFORMED	The quantity nonconformed on the second pass. This means any level NC was logged. [**FLOAT**]
PASS2_QTY_FAILED	The quantity failed (initial NC logged) on the second pass. [**FLOAT**]
PASS2PLUS_QTY_STARTED	Quantity started on passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_COMPLETED	Quantity completed on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_DONE	The quantity completed to a Done status on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_SCRAPPED	The quantity scrapped on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_NON_CONFORMED	The quantity nonconformed on the passes greater than 2. This means any level NC was logged. [**FLOAT**]
PASS2PLUS_QTY_FAILED	The quantity failed (initial NC logged) on the passes greater than 2. [**FLOAT**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
TIME_DIM_ID	The time dimm ID reference. [**String (412)**]
PASS1_NC_DEFECT_COUNT	The PASS1_NC_DEFECT_COUNT on the first pass. [**FLOAT**]
PASS2_NC_DEFECT_COUNT	The PASS2_NC_DEFECT_COUNT on the second pass. [**FLOAT**]
PASS2PLUS_NC_DEFECT_COUNT	The PASS2PLUS_NC_DEFECT_COUNT on passes greater than 2. [**FLOAT**]

ODS_ORDER_CYCLE_TIME

Table of detailed shop order times by operation. This gives an indication of the time needed to produce an item at a given operation over shop order sized quantities. Generated from production log. Time intervals represent clock time spent by shop order at operation.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
ORDER_TYPE	The order type for this shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
LABOR_CHARGE_CODE	The labor charge code assigned to the shop order. [**String (128)**]
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]

COLUMN	Description/Default
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
USER_ID	The user id that logged the activity. [**String (30)**]
REPORTING_CENTER	The Reporting Center where the activity was logged (from Router Step). [**String (36)**]
COST_CENTER	The Cost Center for this user. [**String (128)**]
ROLLUP_COST_CENTER	The Rollup Cost Center for this Cost Center. [**String (128)**]
TIMES_PROCESSED	The pass number for this interval. [**INTEGER**]
PLANNED_OPERATION	Boolean value indicating whether or not this operation was planned. Possible values are ‘true’ and ‘false’. [**BOOLEAN**]
TIME_CATEGORY	The time category for this time interval. Valid values include: § **Queue Time (Q)** - The time interval for this record represents time in queue. § **Processing Time (P)** - The time interval for this record represents processing time. [**String (1)**]

COLUMN	Description/Default
START_TIMESTAMP	Start time for the work interval. This is the beginning of work for this shop order for this operation. [**DATE_TIME**]
END_TIMESTAMP	End time for the work interval. This is the end of work for this shop order for this operation. [**DATE_TIME**]
ELAPSED_TIME	Calculated elapsed time. [**LONG**]
PLANNED_QTY	The shop order quantity planned to be produced at this operation. [**FLOAT**]
QTY_STARTED	The shop order quantity started at this operation. [**FLOAT**]
QTY_COMPLETED	The shop order quantity completed normally at this operation. [**FLOAT**]
QTY_DONE	The shop order quantity marked as Done (completed at final operation) at this operation. [**FLOAT**]
QTY_SCRAPPED	The shop order quantity scrapped at this operation. [**FLOAT**]
QTY_NON_CONFORMED	The shop order quantity non-conformed at this operation. [**FLOAT**]
QTY_FAILED	The shop order quantity failed at this operation. [**FLOAT**]
STD_TIME_PLANNED_QTY	The standard time (either queue time or processing time) for the planned qty. [**FLOAT**]
STD_TIME_ACTUAL_QTY	The standard time (either queue timer or processing time) for the actual qty. [**FLOAT**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

ODS_ORDER_CYCLE_TIME_SUMMARY

This table contains summarized cycle time records for completed shop orders.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
ORDER_TYPE	The order type for this shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]

COLUMN	Description/Default
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
LABOR_CHARGE_CODE	The labor charge code assigned to the shop order. [**String (128)**]
REPORTING_CENTER	The Reporting Center where the activity was logged (from Router Step). [**String (36)**]
COST_CENTER	The Cost Center for this user. [**String (128)**]
ROLLUP_COST_CENTER	The Rollup Cost Center for this Cost Center. [**String (128)**]
PASS1_QTY_STARTED	The shop order quantity started at this operation on the first pass. [**FLOAT**]
PASS1_QTY_COMPLETED	The shop order quantity completed normally at this operation on the first pass. [**FLOAT**]
PASS1_QTY_DONE	The shop order quantity marked as Done (completed at final operation) at this operation on the first pass. [**FLOAT**]
PASS1_QTY_SCRAPPED	The shop order quantity scrapped at this operation on the first pass. [**FLOAT**]
PASS1_QTY_NON_CONFORMED	The shop order quantity non-conformed at this operation on the first pass. [**FLOAT**]
PASS1_QTY_FAILED	The shop order quantity failed at this operation on the first pass. [**FLOAT**]
PASS1_PROCESSING_TIME	Total queue time for this order on the first pass (milliseconds). [**FLOAT**]
PASS1_QUEUE_TIME	Date/Time when first SFC was put in queue at this operation on the first pass (milliseconds). [**FLOAT**]
PASS1_STD_PROCESS_TIME	Standard queue time for this operation on the first pass (milliseconds). [**FLOAT**]

COLUMN	Description/Default
PASS1_STD_QUEUE_TIME	Standard processing time for this operation on the first pass (milliseconds). [**FLOAT**]
PASS1_QUEUE_START_TIME	Date/Time when first SFC was put in queue at this operation on the first pass. [**DATE_TIME**]
PASS1_PROCESS_START_TIME	Date/Time when first SFC was started at this operation on the first pass. [**DATE_TIME**]
PASS1_PROCESS_END_TIME	Date/Time when last SFC was completed at this operation on the first pass. [**DATE_TIME**]
PASS2_QTY_STARTED	The shop order quantity started at this operation on the second pass. [**FLOAT**]
PASS2_QTY_COMPLETED	The shop order quantity completed normally at this operation on the second pass. [**FLOAT**]
PASS2_QTY_DONE	The shop order quantity marked as Done (completed at final operation) at this operation on the second pass. [**FLOAT**]
PASS2_QTY_SCRAPPED	The shop order quantity scrapped at this operation on the second pass. [**FLOAT**]
PASS2_QTY_NON_CONFORMED	The shop order quantity non-conformed at this operation on the second pass. [**FLOAT**]
PASS2_QTY_FAILED	The shop order quantity failed at this operation on the second pass. [**FLOAT**]
PASS2_PROCESSING_TIME	Total queue time for this order on the second pass (milliseconds). [**FLOAT**]
PASS2_QUEUE_TIME	Date/Time when first SFC was put in queue at this operation on the second pass (milliseconds). [**FLOAT**]
PASS2_STD_PROCESS_TIME	Standard queue time for this operation on the second pass (milliseconds). [**FLOAT**]
PASS2_STD_QUEUE_TIME	Standard processing time for this operation on the second pass (milliseconds). [**FLOAT**]
PASS2_QUEUE_START_TIME	Date/Time when first SFC was put in queue at this operation on the second pass. [**DATE_TIME**]

COLUMN	Description/Default
PASS2_PROCESS_START_TIME	Date/Time when first SFC was started at this operation on the second pass. [**DATE_TIME**]
PASS2_PROCESS_END_TIME	Date/Time when last SFC was completed at this operation on the second pass. [**DATE_TIME**]
PASS2PLUS_QTY_STARTED	The shop order quantity started at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_COMPLETED	The shop order quantity completed normally at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_DONE	The shop order quantity marked as Done (completed at final operation) at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_SCRAPPED	The shop order quantity scrapped at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_NON_CONFORMED	The shop order quantity non-conformed at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_FAILED	The shop order quantity failed at this operation on the passes greater than 2. [**FLOAT**]
PASS2PLUS_PROCESSING_TIME	Total queue time for this order on the passes greater than 2 (milliseconds). [**FLOAT**]
PASS2PLUS_QUEUE_TIME	Date/Time when first SFC was put in queue at this operation on the passes greater than 2 (milliseconds). [**FLOAT**]
PASS2PLUS_STD_PROCESS_TIME	Standard queue time for this operation on the passes greater than 2 (milliseconds). [**FLOAT**]
PASS2PLUS_STD_QUEUE_TIME	Standard processing time for this operation on the passes greater than 2 (milliseconds). [**FLOAT**]
PASS2PLUS_QUEUE_START_TIME	Date/Time when first SFC was put in queue at this operation on the passes greater than 2. [**DATE_TIME**]
PASS2PLUS_PROCESS_START_TIME	Date/Time when first SFC was started at this operation on the passes greater than 2. [**DATE_TIME**]
PASS2PLUS_PROCESS_END_TIME	Date/Time when last SFC was completed at this operation on the passes greater than 2. [**DATE_TIME**]

COLUMN	Description/Default
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

ODS_PRODUCTION_LOG

This is a mirror copy of the WIP PRODUCTION_LOG table, with expanded fields and explicit pass counts.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
ACTIVITY	The ID of the Activity that generated this event. [**String (20)**]
DATE_TIME	The date/time this production activity took place. [**DATE_TIME**]
GROUP_TIME_DIM_ID	The group time dim ID reference. This references a table 'ODS_GROUP_TIME_DIM'. [**String (412)**]
PRODUCTION_DATE	The production date the activity was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the activity was logged. [**DATE_TIME**]
QTY	The qty processed. [**FLOAT**]
SFC	The SFC processed. [**String (128)**]
PROCESS_LOT	The process lot the SFC was in at the time of production. [**String (128)**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]

COLUMN	Description/Default
ORDER_TYPE	The order type for this shop order. Valid values include: § **Normal (N)** - Normal Order. § **RMA (M)** - RMA Order. § **Repetitive (R)** - Repetitive Order (no specific Build Qty). [**String (5)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
LABOR_CHARGE_CODE	The labor charge code assigned to the shop order. [**String (128)**]
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
OPERATION_TYPE	The type of the operation. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**String (1)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]

COLUMN	Description/Default
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
PREVIOUS_RESRCE	The SFC's previous resource (resource the previous step was worked at). [**String (36)**]
WORK_CENTER	The Primary Workcenter for this summary record. [**String (36)**]
REPORTING_CENTER	The Reporting Center where the activity was logged (from Router Step). [**String (36)**]
PREVIOUS_WORK_CENTER	The work center this SFC was worked at before this step. [**String (36)**]
USER_ID	The user id that logged the activity. [**String (30)**]
COST_CENTER	The user's Cost Center where the activity was logged. [**String (128)**]
ROLLUP_COST_CENTER	The rollup cost center. [**String (128)**]
REWORK	True if this work is considered rework. [**BOOLEAN**]
SFC_DONE	If true, then this SFC was marked as DONE by this activity. [**BOOLEAN**]
TIMES_PROCESSED	The TIMES_PROCESSED for the SFC (loop count). [**INTEGER**]
ACTION_DETAIL_BO	A generic handle that can be used to hold additional infomation about this production record. Can be a handle to an NC_DATA record when failures are logged. [**HANDLE**]
PASS1_QTY_STARTED	Quantity started on first pass. [**FLOAT**]
PASS1_QTY_COMPLETED	Quantity completed on the first pass. [**FLOAT**]
PASS1_QTY_DONE	The quantity completed to a Done status on the first pass. [**FLOAT**]
PASS1_QTY_SCRAPPED	The quantity scrapped on the first pass. [**FLOAT**]
PASS1_QTY_NON_CONFORMED	The quantity nonconformed on the first pass. This means any level NC was logged. [**FLOAT**]

COLUMN	Description/Default
PASS1_QTY_FAILED	The quantity failed (initial NC logged) on the first pass. [**FLOAT**]
PASS1_ELAPSED_TIME	The amount of time from start on the first pass (milliseconds). [**LONG**]
PASS1_ELAPSED_QUEUE_TIME	The amount of time the SFC was in queue before it was started. This is the time from when it is placed in queue (for any reason) and when it is started. (First Pass, milliseconds). [**LONG**]
PASS2_QTY_STARTED	Quantity started on second pass. [**FLOAT**]
PASS2_QTY_COMPLETED	Quantity completed on the second pass. [**FLOAT**]
PASS2_QTY_DONE	The quantity completed to a Done status on the second pass. [**FLOAT**]
PASS2_QTY_SCRAPPED	The quantity scrapped on the second pass. [**FLOAT**]
PASS2_QTY_NON_CONFORMED	The quantity nonconformed on the second pass. This means any level NC was logged. [**FLOAT**]
PASS2_QTY_FAILED	The quantity failed (initial NC logged) on the second pass. [**FLOAT**]
PASS2_ELAPSED_TIME	The amount of time from start on the second pass (milliseconds). [**LONG**]
PASS2_ELAPSED_QUEUE_TIME	The amount of time the SFC was in queue before it was started. This is the time from when it is placed in queue (for any reason) and when it is started (second pass, milliseconds). [**LONG**]
PASS2PLUS_QTY_STARTED	Quantity started on passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_COMPLETED	Quantity completed on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_DONE	The quantity completed to a Done status on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_SCRAPPED	The quantity scrapped on the passes greater than 2. [**FLOAT**]
PASS2PLUS_QTY_NON_CONFORMED	The quantity nonconformed on the passes greater than 2. This means any level NC was logged. [**FLOAT**]
PASS2PLUS_QTY_FAILED	The quantity failed (initial NC logged) on the passes greater than 2. [**FLOAT**]

COLUMN	Description/Default
PASS2PLUS_ELAPSED_TIME	The amount of time from start on the passes greater than 2 (milliseconds). [**LONG**]
PASS2PLUS_ELAPSED_QUEUE_TIME	The amount of time the SFC was in queue before it was started. This is the time from when it is placed in queue (for any reason) and when it is started. (passes greater than 2, milliseconds). [**LONG**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
ODS_DATE_TIME	The date time this record was updated. This time is localized based on the system rule. [**DATE_TIME**]
PASS1_NC_DEFECT_COUNT	The PASS1_NC_DEFECT_COUNT on the first pass. [**FLOAT**]
PASS2_NC_DEFECT_COUNT	The PASS2_NC_DEFECT_COUNT on the second pass. [**FLOAT**]
PASS2PLUS_NC_DEFECT_COUNT	The PASS2PLUS_NC_DEFECT_COUNT on passes greater than 2. [**FLOAT**]

ODS_RESOURCE_TIME_LOG

This is a copy of the RESOURCE_TIME_LOG from WIP, with handles expanded. Updated periodically from WIP database. Each record defines the time a resource spent in a given state (status or active/inactive state).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site where the production occurred. [**String (6)**]
RESRCE	The Resource at which this production activity took place. [**String (36)**]

COLUMN	Description/Default
RESOURCE_TYPE	The assigned resource type (from the operation) at the time of production. If multiple resource types are assigned to a resource, the resource type is determined by checking the Operation for the first Resource Time Member record associated with the current Resource Time Log record. Note that the resource time member records must be collected if multiple resource types are assigned to a resource. [**String (16)**]
WORK_CENTER	The primary / parent work center for the resource. [**String (36)**]
STRT	Start DateTime as a string, including milliseconds. [**String (20)**]
START_DATE_TIME	The date/time the resource entered the given state. [**DATE_TIME**]
END_DATE_TIME	The date/time the resource left the given state. [**DATE_TIME**]
ACTIVE	Indicates if this Resource Time Log record is Active, No Active or Idle. Valid values include: § **Active (true)** - The resource time log record is active and it has active SFCs. § **Closed (false)** - The resource time log record is closed (not current). § **Active No SFCs (idle)** - The resource time log record is active but it has no active SFCs. This means the resource is idle. [**BOOLEAN**]
RESOURCE_STATE	The state the resource was in. This indicates only if SFCs are in work or the resource is idle. The RESOURCE_STATUS_BO gives better picture of Idle states (e.g. SEMI E10 states). Valid values include: § **Production (P)** - Normal production time (SFCs are in work). § **Idle (I)** - Resource is idle. [**String (1)**]
RESOURCE_STATUS	The status of the resource at the time this TimeLog entry was created. [**String (16)**]
RESOURCE_STATUS_DESCRIPTION	Text description of the current resource status code. [**String (16)**]
ACTIVITY	The activity that caused this record to be recorded. [**String (20)**]
REASON_CODE	The reasons code that was logged with the resource status change. This is only populated when the resource status is changed explicitly by the user or API. [**String (128)**]

COLUMN	Description/Default
ELAPSED_TIME	The elapsed time spent in this state (milliseconds). This will be null for active records. [**LONG**]
UTILIZED	Boolean string indicating whether time spent in this state counts as utilized. [**BOOLEAN**]
LAST_SUMMARY_DATE_TIME	The date/time this record was last summarized into a summary table (e.g. ODS_RESOURCE_UTILIZATION). [**DATE_TIME**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
ODS_START_DATE_TIME	The date time this record was started. This time is localized based on the system rule. [**DATE_TIME**]
ODS_END_DATE_TIME	The date time this record was ended. This time is localized based on the system rule. [**DATE_TIME**]

ODS_RESOURCE_TIME_MEMBER

This is a copy of the RESOURCE_TIME_MEMBER from WIP, with handles expanded. Updated periodically from WIP database. Each record defines the time a resource spent in a given state (status or active/inactive state).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
STRT	Start DateTime as a string, including milliseconds. [**String (20)**]
SFC	The SFC processed. [**String (128)**]
QTY	The qty processed. [**FLOAT**]

COLUMN	Description/Default
USER_ID	The user id that logged the activity. [**String (30)**]
BOM	The SFC's BOM. [**String (128)**]
BOM_REVISION	The BOM's revision. [**String (20)**]
BOM_TYPE	The BOM's type. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**String (1)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
ITEM	The item produced. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
STEP_ID	The Router Step ID where the activity took place. [**String (6)**]
ROUTER	The Router where the activity took place. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
SHOP_ORDER	The Shop Order for this Production Record. [**String (36)**]
CUSTOMER	The customer this SFC was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]

COLUMN	Description/Default
START_DATE_TIME	The date/time the SFC started work at this resource. [**DATE_TIME**]
END_DATE_TIME	The date/time SFC left work at this resource. [**DATE_TIME**]
EXP_ERROR	Inidicates that there was an expansion error during processing of this record. [**BOOLEAN**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
PROCESS_LOT **(Required, Key)**	The PROCESS_LOT. [**String (128)**]
ODS_EFF_DATE_TIME	The date/time this record was effective from. This time is localized based on the system rule. [**DATE_TIME**]
ODS_END_DATE_TIME	The end date/time for this record. This time is localized based on the system rule. [**DATE_TIME**]
ODS_START_DATE_TIME	The date/time this record was started. This time is localized based on the system rule. [**DATE_TIME**]

ODS_RESOURCE_UTILIZATION

This table holds summary records that record how much time a particular resource spent in a given state. It is updated periodically from ODS_RESOURCE_TIME_LOG.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
RESRCE	The Resource where the activity was logged. [**String (36)**]
RESOURCE_TYPE	The Resource Type for this summary record. [**String (16)**]
TIME_DIM_ID	The time dim ID reference. [**String (412)**]

COLUMN	Description/Default
PRODUCTION_DATE	The production date the activity was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the activity was logged. [**DATE_TIME**]
WORK_CENTER	The Primary Workcenter for this summary record. [**String (36)**]
TOTAL_AVAILABLE_TIME	The total amount of time (for this hour/shift/day) that the resource is expected to be available (milliseconds). [**FLOAT**]
ENABLED_TIME	Time during the interval the resource spent in Enabled state (milliseconds). [**FLOAT**]
UNKNOWN_TIME	Time during the interval the resource spent in Unknown state. [**FLOAT**]
PRODUCTIVE_TIME	Time during the interval the resource spent in Productive state. [**FLOAT**]
DISABLED_TIME	Time during the interval the resource spent in Disabled state. [**FLOAT**]
SCHEDULED_DOWN_TIME	Time during the interval the resource spent in Scheduled Down state. [**FLOAT**]
NON_SCHEDULED_TIME	Time during the interval the resource was not scheduled. [**FLOAT**]
UNSCHEDULED_DOWN_TIME	Time during the interval the resource spent in Unscheduled Down state. [**FLOAT**]
HOLD_TIME	Time during the interval the resource spent in Hold state. [**FLOAT**]
STANDBY_TIME	Time during the interval the resource spent in Standby state. [**FLOAT**]
ENGINEERING_TIME	Time during the interval the resource spent in Engineering state. [**FLOAT**]
UTILIZED_TIME	Time during the interval the resource was utilized. [**FLOAT**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

ODS_SHOP_ORDER

This table contains the shop order details copied and expanded from WIP.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The record's handle. [**HANDLE**]
SITE	The Site this record is defined for. [**String (6)**]
SHOP_ORDER	The Shop Order ID. [**String (36)**]
ORDER_TYPE	Defines the type of order. Valid values include: § **Normal (N)** - Normal Order. § **Repetitive (R)** - Repetitive Order with not build quantity limits. § **RMA (M)** - RMA Order type (Returned Material). [**String (5)**]
END_UNIT_NUMBER	The End Unit Number this shop order is built for. (End Unit Number is sometimes re-labeled Tail Number or Ship Number). [**String (36)**]
CUSTOMER	The customer this sfc was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
LABOR_CHARGE_CODE	The Labor Charge Code associated with this order. [**String (128)**]
STATUS	The status of the order (text description). [**String (16)**]
PRIORITY	The order's priority. [**INTEGER**]
TRANSFER_SITE	The Site (must be type Production) to which SFCs will be transfered when they are Done. [**String (6)**]
TRANSFER_TYPE	The type of SFC transfer that will occur. Valid values include: § **SFC Consumption Site (C)** - SFC are consumed at this site. § **Spans Production (P)** - Production spans this site. [**String (1)**]

COLUMN	Description/Default
PLANNED_ITEM	The item planned for this order. [**String (128)**]
PLANNED_ITEM_REVISION	The item's revision. [**String (20)**]
PLANNED_BOM	The BOM planned for this order. [**String (128)**]
PLANNED_BOM_REVISION	The BOM's revision. [**String (20)**]
PLANNED_BOM_TYPE	The type of BOM used. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**BOM_String (1)**]
PLANNED_ROUTER	The router planned for this order. [**String (128)**]
PLANNED_ROUTER_REVISION	The Revision of the Router. [**String (20)**]
PLANNED_ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
PLANNED_WORK_CENTER	Work center planned to build the required items for this shop order. [**String (36)**]
ITEM	The item built for this order. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
BOM	The BOM used to build this order. [**String (128)**]
BOM_REVISION	The BOM's revision. [**String (20)**]

COLUMN	Description/Default
BOM_TYPE	The type of BOM used. Valid values include: § **User BOM (U)** - User defined BOM. § **Shoporder BOM (H)** - Shoporder-specific BOM. § **SFC BOM (S)** - SFC-Specific BOM. [**String (1)**]
ROUTER	The router used to build this order. [**String (128)**]
ROUTER_REVISION	The Revision of the Router. [**String (20)**]
ROUTER_TYPE	The Router Type where activity took place. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
RMA_SFC_DATA_TYPE_CATEGORY	The DataType Category to collect for each SFC added to this RMA shop order. [**String (20)**]
RMA_SFC_DATA_TYPE_NAME	The DataType Name to collect for each SFC added to this RMA shop order. [**String (32)**]
RMA_ORDER_DATA_TYPE_CATEGORY	The Data Type Category to collect for this RMA shop order. [**String (20)**]
RMA_ORDER_DATA_TYPE_NAME	The Data Type Name to collect for this RMA shop order. [**String (32)**]
QTY_TO_BUILD	The number of pieces to build. [**FLOAT**]
QTY_ORDERED	The number of pieces ordered. This is a reference value only. If not overridden, this value is set to the QtyToBuild value. [**FLOAT**]
QTY_RELEASED	The number of pieces already released to SFCs. [**FLOAT**]
QTY_DONE	The Qty completed on this order. [**FLOAT**]
QTY_SCRAPPED	The number of pieces scrapped on this order. [**FLOAT**]

COLUMN	Description/Default
RELEASED_DATE	The date and time that the first SFC or subassembly was released for this shop order. [**DATE_TIME**]
PLANNED_START_DATE	The date and time that this order has been planned to be started. [**DATE_TIME**]
PLANNED_COMP_DATE	The date and time that this order has been planned to be completed. [**DATE_TIME**]
SCHEDULED_START_DATE	The date and time that this order has been scheduled to be started. [**DATE_TIME**]
SCHEDULED_COMP_DATE	The date and time that this order has been scheduled to be completed. [**DATE_TIME**]
ACTUAL_COMP_DATE	The date and time that this order was completed. This is the time that last SFC for this shop order was completed. [**DATE_TIME**]
ACTUAL_START_DATE	The date and time that this order was actually started that is, the first SFC was placed in queue. [**DATE_TIME**]
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
ODS_PLANNED_START_DATE	The date and time that this order has been planned to be started. [**DATE_TIME**]
ODS_PLANNED_COMP_DATE	The date and time that this order has been planned to be completed. [**DATE_TIME**]
ODS_ACTUAL_COMP_DATE	The date and time that this order was completed. This is the time that last SFC for this shop order was completed. This time is localized based on the system rule. [**DATE_TIME**]
ODS_ACTUAL_START_DATE	The date and time that this order was actually started that is, the first SFC was placed in queue. This time is localized based on the system rule. [**DATE_TIME**]
ODS_RELEASED_DATE	The date and time that the first SFC or subassembly was released for this shop order. This time is localized based on the system rule. [**DATE_TIME**]
ODS_SCHEDULED_START_DATE	The date and time that this order has been scheduled to be started. This time is localized based on the system rule. [**DATE_TIME**]

COLUMN	Description/Default
ODS_SCHEDULED_COMP_DATE	The date and time that this order has been scheduled to be completed. This time is localized based on the system rule. [**DATE_TIME**]

ODS_TIME_DIM

This table is used to store the time granularity information for the production detail and summary records.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID	The handle for this object. This is a unique value made up of site, granularity and a unique number. E.g.: SARA.H.597578. Here SARA is the site name, H is Summary by hour and 597578 is the unique random number seeded with current time. (?) [**String (128)**]
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
GRANULARITY	The granularity of the TimeDim record .It could be one of the following values:· H - Summary by Hour· D - Summary by Day· S - Summary by Shift. More values could be added when more granularities are introduced in SAP ME. Valid values include: § **Hour (H)** - Summary by Hour. § **Day (D)** - Summary by Day. § **Shift (S)** - Summary by Shift. [**String (1)**]
LOCALIZED	True or false. If ODS Rule says to summarize by local time zone, this value will be true, else false. [**BOOLEAN**]
GMT_BEGIN_DATE_TIME	GMT start date time for a production record. [**DATE_TIME**]
GMT_END_DATE_TIME	GMT end date time for a production record. [**DATE_TIME**]

COLUMN	Description/Default
ODS_BEGIN_DATE_TIME	Local start date time for a production record, if ODS Rule says to summarize by local time zone, other GMT time. [**DATE_TIME**]
ODS_END_DATE_TIME	Local end date time for a production record, if ODS Rule says to summarize by local time zone, other GMT time. [**DATE_TIME**]
ODS_PRODUCTION_DATE	The production date the activity was logged. This date is localized if ODS Rule says to summarize by local time zone, other GMT time. [**DATE_TIME**]
ODS_PRODUCTION_HOUR	The production hour when the activity was logged. This date is localized if ODS Rule says to summarize by local time zone, other GMT time. [**DATE_TIME**]
ODS_DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
ODS_PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (20)**]

ODS_USED_TIME_GRANULARITY

This table is used to store the time granularity usage information for the production detail and summary records.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
GRANULARITY	The name of the Granularity. [**String (36)**]
SUMMARY_NAME	The name of the summary. [**String (36)**]
TYPE	The type of the granularity. It could System (S) or User defined (U). Valid values include: § **System (S)** - System Level Granularity. § **UserDefined (U)** - User Defined Granularity. [**String (1)**]

ODS_WORK_CENTER_PRODUCTION

Summarized Production Log activity by work center. A Work Center hierarchy of 5 levels deep (max) is allowed.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site for this record. [**String (6)**]
WORK_CENTER	The work center ID. [**String (36)**]
WC_CATEGORY	The work center category. (e.g. Cell, Line, etc). [**String (20)**]
PRODUCTION_DATE	The production date the activity was logged. [**DATE_TIME**]
DAY_CLASS	The production day class for the PRODUCTION_DATE. [**String (20)**]
PRODUCTION_SHIFT	The production shift that the activity was logged. [**String (32)**]
PRODUCTION_HOUR	The production hour when the activity was logged. [**DATE_TIME**]
SHOP_ORDER	The Shop Order ID. [**String (36)**]
ORDER_TYPE	Defines the type of order. Valid values include: § **Normal (N)** - Normal Order. § **Repetitive (R)** - Repetitive Order with not build quantity limits. § **RMA (M)** - RMA Order type (Returned Material). [**String (5)**]
CUSTOMER	The customer this SFC was produced for. [**String (40)**]
CUSTOMER_ORDER	The Customer Order this SFC was produced against. [**String (40)**]
ITEM	The item built for this order. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
LEVEL1_WORK_CENTER	Level 1 (Lowest Level) work center defined in work center maintenance. [**String (36)**]

COLUMN	Description/Default
LEVEL2_WORK_CENTER	Level 2 work center defined in work center maintenance. [**String (36)**]
LEVEL3_WORK_CENTER	Level 3 work center defined in work center maintenance. [**String (36)**]
LEVEL4_WORK_CENTER	Level 4 work center defined in work center maintenance. [**String (36)**]
LEVEL5_WORK_CENTER	Level 5 (highest Level) work center defined in work center maintenance. [**String (36)**]
PASS1_ENTER_QTY	First Pass quantity to enter the work center hierarchy. [**FLOAT**]
PASS1_EXIT_COMPLETE_QTY	First Pass quantity to exit the work center hierarchy via a normal complete. [**FLOAT**]
PASS1_EXIT_NC_QTY	First Pass quantity to exit the work center hierarchy via non-conformance. [**FLOAT**]
PASS1_EXIT_FAIL_QTY	First Pass quantity to exit the work center hierarchy via primary (Failure) NC. [**FLOAT**]
PASS1_EXIT_SCRAP_QTY	First Pass quantity to exit the work center hierarchy because it was scrapped. [**FLOAT**]
PASS1_EXIT_DONE_QTY	First Pass quantity to exit the work center hierarchy as Done. [**FLOAT**]
REWORK_ENTER_QTY	Rework (pass 2 and higher) quantity to enter the work center hierarchy. [**FLOAT**]
REWORK_EXIT_COMPLETE_QTY	Rework (pass 2 and higher) quantity to exit the work center hierarchy via a normal complete. [**FLOAT**]
REWORK_EXIT_NC_QTY	Rework (pass 2 and higher) quantity to exit the work center hierarchy via non-conformance. [**FLOAT**]
REWORK_EXIT_FAIL_QTY	Rework (pass 2 and higher) quantity to exit the work center hierarchy via primary (Failure) NC. [**FLOAT**]
REWORK_EXIT_SCRAP_QTY	Rework (pass 2 and higher) quantity to exit the work center hierarchy because it was scrapped. [**FLOAT**]
REWORK_EXIT_DONE_QTY	Rework (pass 2 and higher) quantity to exit the work center hierarchy as Done. [**FLOAT**]

COLUMN	Description/Default
ODS_CREATED_DATE_TIME	The date/time this record was created. This is typically the end of the extract date range used during the ODS extraction phase. [**DATE_TIME**]
ODS_MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]
TIME_DIM_ID	The time dimm ID reference. [**String (412)**]

OPERATION

This business object defines an Operation. An operation is a basic manufacturing process that is tracked within SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
OPERATION **(Required, Key)**	The operations name. [**String (36)**]
REVISION **(Required, Key)**	The revision of this Operation. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision of this Operation. [**BOOLEAN**]
EFF_END_DATE	Unused in this release. [**DATE_TIME**]
EFF_START_DATE	Unused in this release. [**DATE_TIME**]
DESCRIPTION	The operations description. [**String (40)**]
STATUS_BO	The operations status. Status is provided by the Product Definition Status Group. [**HANDLE**]

COLUMN	Description/Default
TYPE	The operation's type. Valid values include: § **Normal (N)** - This operation may be used on routers and has no special capabilities. § **Special (S)** - This operation has special capabilities to remove SFCs from work and disposition SFCs upon completion. § **Test (T)** - This operation is a test operation. This has meaning for the Nonconformance module. [**OPERATION_String (1)**]
RESOURCE_TYPE_BO	Defines the ResourceType that may perform this operation. [**HANDLE**]
RESOURCE_BO	The default resource for this operation. [**HANDLE**]
CREW_ONLY	Indicates (true/false) if this operation is used only by crews (true) or only by individuals (false). **(Not used in this release)** [**BOOLEAN**]
SPECIAL_ROUTER_BO	If this is a special operation, this is the router the SFC will be placed on when the SFC is started at this special operation. Ignored if not a Special Operation. If this is a special operation, then it is required. [**RouterBO**] [**HANDLE**]
FAILURE_TRACKING_CONFIG_BO	The failure tracking workstation configuration to use for this operation. [**HANDLE**]
DEFAULT_NC_CODE_BO	The default NC Code logged at this operation. This is used in the API when the LogNC.log() method is called without an NC Code. [**HANDLE**]
PCA_DASHBOARD_MODE	Unused in this release. [**String (1)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MAX_LOOP	The maximum number of times an SFC can be started at the operation step. Defaults to system rule value. Serves as a default for ROUTER_OPERATION.MAX_LOOP. [**INTEGER**]
SPECIAL_INSTRUCTION	This instruction is the default value for the Router Step's SPECIAL_INSTRUCTION. [**String (128)**]

COLUMN	Description/Default
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**Handle**]
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**]
REPORTING_STEP	Indicates how this step is known in the MRP/ERP system. This is used to send confirmations of completes to the external MRP/ERP system. Serves as default for ROUTER_STEP. [**String (36)**]
SPECIAL_INSTRUCTION	A special instruction displayed to the operator when an SFC starts this operation. [**String (128)**]
REPORTING_CENTER_BO	The reporting work center associated with this operation. [**HANDLE**]
REQUIRED_TIME_IN_PROCESS	The required time in process for the operation (in minutes). This is enforced by a hook activity. [**INTEGER**]
ERP_CONTROL_KEY_BO	The ERP Control Key that is typically used for this operation. This is used to populate the Router Step ERP Control Key field. [**Handle**]
ERP_WORK_CENTER_BO	This is the ERP work center that this operation is typically performed in. [**Handle**]

OPERATION_MASTER

OperationBO extends RevisionableEBO, which creates an auxiliary table called OPERATION_MASTER. This table defines master data for a revision family of OperationBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Operation revision family. [**String (6)**]

COLUMN	Description/Default
OPERATION **(Required, Key)**	The name/id of the Operation revision family. [**String (36)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Operation revision family. [**String (1)**]

OPERATION_SUBSTEP

This defines the substeps normally used for a given operation. These substeps are copied to the routing step when a routing step is created in Routing Maintenance.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. [**Handle**]
OPERATION_BO **(Required, Key)**	The Operation this substep will be used for. [**Handle**]
SUBSTEP_BO **(Required, Key)**	The substep that will be used for this operation. [**Handle**]
SEQUENCE	The sequence the substep is displayed and typically performed in. [**Integer**]

ORDER_DIM

Defines a dimension table for the failure history aggregate fact table. This dimension records the shop order.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DIM_KEY	The dimension key (database reference). [**LONG**]
DIM_LEVEL	The level in the dimension hierarchy this key belongs to. [**String (20)**]
SITE	The site this dimension was created for. [**String (6)**]

COLUMN	Description/Default
SHOP_ORDER	The shop order the NC was logged against (through the SFC). [**String (36)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

PARAMETRIC

Defines a group of data collected for an entity (SFC usually) at one specific time (usually a test).

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
SITE **(Required, Key)**	The site in which the data was collected. [**String (6)**]
START_TIME **(Required, Key)**	The time the test was started. [**DATE_TIME**]
PARA_CONTEXT_GBO **(Required, Key)**	The SFC of the unit being tested. [**HANDLE**] (Expanded Archive Columns: **PARA_CONTEXT_SITE, PARA_CONTEXT_SFC, PARA_CONTEXT_RESRCE**) [**SFCBO.**]
ORIGINAL_SFC_BO	The original SFC this data was collected for. [**HANDLE**]
RESOURCE_BO **(Required, Key)**	The resource where the data was generated. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESRCE**)
WORK_CENTER_BO	The work center this data was collected in. [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER_SITE, WORK_CENTER**)
USER_BO	The user that generated the data. [**HANDLE**] (Expanded Archive Columns: **USER_ID, USER_SITE**)
CUSTOMER_ID	The customer for which the SFC was built. [**String (128)**]
ITEM_BO	The item being produced by the SFC. [**HANDLE**] (Expanded Archive Columns: **ITEM, ITEM_REVISION, ITEM_SITE**)
OPERATION_BO	The operation where the data was generated. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)

COLUMN	Description/Default
LOT_ID	The lot being tested. [**String (128)**]
PROGRAM_ID	The ID of the test program. [**String (128)**]
PROGRAM_REV	The revision of the test program. [**String (20)**]
TEST_STATUS	The status of the test. [**String (10)**]
SHIFT_ID	The shift when the test was performed. [**String (32)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. This record's unique handle. [**HANDLE**]
ROUTER_BO	The Router that will be used to manufacture this item when SFC numbers are released to the shop floor. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_REVISION, ROUTER_TYPE**)
ROUTER_SEQUENCE	The sequence of the SFC's current router (from SFC_ROUTER) when the data was collected. [**Integer**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]
DC_GROUP_BO	The DC Group for which data is collected. [**HANDLE**] (Expanded Archive Columns: **DC_GROUP_SITE, DC_GROUP, DC_GROUP_REVISION**)
DIAGNOSTICS **(Key)**	The diagnostics value passed by Tester. It can value of PRODUCTION, ENGINEERING, TEST depending upon what phase the Tester is in. [**String (20)**]
ORIGINAL_TRANSFER_KEY	The handle for transfer object. This is a unique value made up of the key fields in the object. [**String (412)**]
PREV_SITE **(Key)**	The previous site for which this object is defined. [**String (6)**]
SETUP_TIME_MS	Time taken by the tester for setting this test. [**INTEGER**]
SHOP_ORDER **(Key)**	The shop order that contains this SFC. [**String (36)**]
TESTER_HW_REV **(Key)**	The version of the Tester. This value is passed by tester. [**String (10)**]

COLUMN	Description/Default
TESTER_TEST_SEQ **(Key)**	Specifies the tester test sequence. This value is passed by tester. [**String (64)**]
TESTER_TEST_SEQ_REV **(Key)**	Specifies the tester test sequence version. [**String (10)**]
TESTER_TYPE **(Key)**	Specifies the type of Tester. [**String (64)**]
TEST_PASSED **(Key)**	This field has a value of true or false. It specifies whether this test result has the status PASS/OK. [**BOOLEAN**]
TEST_PLAN_BO	The Test Plan for using which Tester collected the data [**HANDLE**] (Expanded Archive Columns: **TEST_PLAN_SITE, TEST_PLAN**)
TIMES_PROCESSED	The TIMES_PROCESSED from SFC_STEP table at the time the data was collected. This is the number of times the SFC has been processed at the step. [**INTEGER**]
TRANSACTION_ID	This is the counter that will keep incrementing as results row keep growing. Will be used to decrease the handle size. [**INTEGER**]
TYPE **(Key)**	This column identifies whether the data collected is AUTOMATED or MANUAL. If the type is MANUAL then this result is eligible for Site to Site transfer. [**String (10)**]
STOP_TIME	The time the test was stopped. [**DATE_TIME**]
UNLOAD_TIME_MS	Time taken by the tester to unload. [**INTEGER**]
ELAPSED_TIME	Overall time elapsed. [**INTEGER**]
STEP_ID	The router step ID at which DC is performed. [**String (6)**]
SUBSTEP_ID	The router substep ID at which DC is performed. [**String (6)**]
SUBSTEP	The router substep at which DC is performed. [**String (36)**]

PARAMETRIC_CUSTOM

Stores the parametric custom data values.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. [**HANDLE**]
PARAMETRIC_BO **(Required, Key)**	The parametric data collection set that this measure belongs to. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique sequence ID for this custom value. Allows the definition of multiple values for one property name. [**INTEGER**]
FIELD_NAME	The name of the custom field. [**String (128)**]
FIELD_VALUE	The field value. [**String (128)**]
FIELD_DESCRIPTION	The description of the field. [**String (40)**]
TRANSACTION_ID	The transaction id placed here from the parent table Parametric. [**INTEGER**]
PARA_CONTEXT_GBO	The para_context_gbo from the parent table Parametric. [**HANDLE**] (Expanded Archive Columns: **PARA_CONTEXT_SITE, PARA_CONTEXT_SFC, PARA_CONTEXT_RESRCE**)

PARAMETRIC_MEASURE

Stores the parametric measure values.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	Unique key field identifying this record. This record's unique handle. [**HANDLE**]
MEASURE_NAME	The measurement name (e.g. VOLTAGE, CURRENT...). [**String (25)**]
MEASURE_GROUP	The group this measurement is in. [**String (40)**]
PARAMETRIC_BO **(Key)**	The paramteric data collection set that this measure belongs to. [**HANDLE**]
DESCRIPTION	The description of this measurement. [**String (40)**]

COLUMN	Description/Default
COMPONENT_BO	The component item the measure is associated with. [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SITE, COMPONENT_ITEM, COMPONENT_REVISION**)
SEQUENCE **(Required, Key)**	A unique sequence ID for this custom value. Allows the definition of multiple values for one property name. [**INTEGER**]
COMPONENT_TYPE	The type of component. [**String (32)**]
PIN	The pin the measurement was collected at. [**String (10)**]
MEASURE_STATUS	The status of measurement (Pass or Fail). [**String (10)**]
MEMO	A large chunk of data associated with this measurement. [**String (4000)**]
MEASURE_TYPE	The type of measurement. [**String (20)**]
UNIT_OF_MEAS	The unit of measure for the data value. [**String (20)**]
DATA_TYPE	The Data type of the collected values (plus expected and hi/lo limits). Valid values include: § **Number (N)** - Numeric. § **Integer (I)** - Integer. § **String (S)** - Any String. [**String (20)**]
HIGH_LIMIT	The max value for this measurement. [**String (100)**]
LOW_LIMIT	The minimum value for this measurement. [**String (100)**]
EXPECTED	The expected value for this measurement. [**String (100)**]
ACTUAL	The actual value. [**String (1024)**]
ACTUAL_NUM	The actual value in number format. [**INTEGER**]
ORIGINAL_ACTUAL	The original actual value. [**String (1024)**]
DC_COMMENT	Data point comment from Manual Data Collection. [**String (256)**]
DC_PARAMETER_BO	Foreign key to the DC_PARAMETER table. [**HANDLE**]

COLUMN	Description/Default
DC_CHART_COMMENT	Comment displayed if this measurement is included in a plot point on an SPC chart. [**String (256)**]
FIRST_SEQUENCE	If multiple values are collected for a value then this field has the sequence value of the very first collected value. [**INTEGER**]
ORIGINAL_DC_COMMENT	The original DC Comments. [**String (256)**]
ORIGINAL_DC_CHART_COMMENT	The original DC Chart Comments [**String (256)**]
ORIGINAL_TEST_DATE_TIME	The original test time. [**DATE_TIME**]
EDITED	Set to true if ACTUAL, DC_COMENT or DC_CHART_COMMENT changed from their original values. If several changes to the same record has been made, then some records may have a 'C' in this column to indicate it is a 'Cancelled' or historical value. [**BOOLEAN**]
EDITED_USER_BO	Handle to the user who edited the collected value. [**HANDLE**] (Expanded Archive Columns: **EDITED_USER_SITE, EDITED_USER_ID**)
EDITED_DATE_TIME	If this measurement has been edited after initial collection, then this is the date/time it was edited. [**DATE_TIME**]
USED_LIMIT_SEQ	Provides the limits sequence number used from the configuration done in the Test Plan. [**String (10)**]
TEST_DATE_TIME	Time this measurement was taken. [**DATE_TIME**]
ELAPSED_TIME	Time taken by tester in milliseconds. [**INTEGER**]
INTERNAL_MEASURE_ID	The internal measurement id provided by the tester. [**String (10)**]
TRANSACTION_ID	The transaction id placed here from the parent table Parametric. [**INTEGER**]
PARA_CONTEXT_GBO	The para_context_gbo from the parent table Parametric. [**HANDLE**] (Expanded Archive Columns: **PARA_CONTEXT_SITE, PARA_CONTEXT_SFC, PARA_CONTEXT_RESRCE**)
DC_GROUP_REVISION	The Revision for the DC Group. [**String (20)**]
OVERRIDE_USER_BO	The user who overrides the value which is out of the allowed limit specified. [**Boolean**] (Expanded Archive Columns: **OVERRIDE_USER_SITE, OVERRIDE_USER_ID**)

COLUMN	Description/Default
ERP_SENT	'true' if this record has been transferred to ERP. [**Boolean**]
IS_QM_ACCEPTED	If 'true', then this measurement has been accepted in ERP as part of an inspection lot. [**Boolean**]

PARAMETRIC_MEASURE_CUSTOM

Stores the parametric measure custom data values.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Unique key field identifying this. This record's unique handle. [**HANDLE**]
PARAMETRIC_MEASURE_BO **(Required, Key)**	The paramteric data collection set that this custom measure belongs to. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique sequence ID for this custom value. Allows the definition of multiple values for one property name. [**INTEGER**]
PROPERTY_NAME	The name of the custom property. [**String (25)**]
PROPERTY_VALUE	The property value. [**String (25)**]
PROPERTY_TYPE	The type of custom property. [**String (10)**]
PROPERTY_STATUS	The status of this custom property. [**String (10)**]
UNIT_OF_MEAS	The unit of measure for this property. [**String (20)**]
ORIGINAL_PROPERTY_VALUE	The original property value. [**String (25)**]
EDITED_USER_BO	Handle to the user who edited the collected value. [**HANDLE**] (Expanded Archive Columns: **EDITED_USER_SITE, EDITED_USER_ID,**)
EDITED	Set to true if PROPERTY_VALUE changed from ORIGINAL_PROPERTY_VALUE. [**BOOLEAN**]

COLUMN	Description/Default
DATE_TIME	Time this custom data was collected. [**DATE_TIME**]
ORIGINAL_DATE_TIME	The original time of custom data collection. [**DATE_TIME**]
TRANSACTION_ID	The transaction id placed here from the parent table Parametric. [**INTEGER**]
PARA_CONTEXT_GBO	The para_context_gbo from the parent table Parametric. [**HANDLE**] (Expanded Archive Columns: **PARA_CONTEXT_SITE, PARA_CONTEXT_SFC, PARA_CONTEXT_RESRCE**)

PERMISSION_DEF

This is an Enterprise Business that defines a single permission that can be given for an Activity or ActivityGroup.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
PERMISSION **(Required, Key)**	The permission (ID). [**String (20)**]
DESCRIPTION	The description of the permission. [**String (40)**]
UNIT_OR_GROUP_GBO **(Required, Key)**	The ExecutionUnitBO or ActivityGroupBO to which this permission belongs. [**HANDLE**] [**ExecutionUnitBO, ActivityGroupBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

POD_ACTIVITY

This is an activity that is executed when a button is pressed. A button may have more than one activity associated with it.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
POD_BUTTON_BO **(Required, Key)**	The parent POD Button object. [**HANDLE**]
SEQUENCE **(Required, Key)**	Controls the order the activities are executed in. [**INTEGER**]
ACTIVITY_BO	The activity to execute. This must be a JSP activity. [**HANDLE**]
IS_PLUGIN	If true, then the JSP is executed in the plugin frame. [**BOOLEAN**]
REFRESH_PLUGIN	If true, then the plugin will be refreshed after the activity is executed. [**BOOLEAN**]
CLEARS_SFC	If "true", then the POD will clear the SFC field after this activity executes. [**BOOLEAN**]
OPEN_NEW_WINDOW	If true, then this activity is opened in a new window. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

POD_ADD_PLUGIN

This table defines additional plugins that may be displayed in a panel.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
POD_PANEL_BO **(Required, Key)**	The parent POD Panel record. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the plugin is listed in POD Maintenance. [**INTEGER**]
PLUGIN_BO	The plugin that can be displayed in this panel when activated (button pressed). This is an Activity. [**HANDLE**]

POD_BUTTON

Defines a button displayed in the POD.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
POD_CONFIG_BO **(Required, Key)**	The parent POD configuration record. [**HANDLE**]
BUTTON_ID **(Required, Key)**	The button ID. [**String (20)**]
SEQUENCE	Determines the order the button is displayed in. [**INTEGER**]
LABEL	The button's label. If a label begins with "LocaleSpecificText.", then the remainder of the label will be used to lookup the label in the LocaleSpecificText.properties bundle. This will allow the base labels to be internationalized, while not forcing customers to put all button labels in the .properties file. [**String (80)**]
BUTTON_SIZE	Determines the size of the button as displayed (% of normal size). 100% is the normal size. [**INTEGER**]
IMAGE_ICON	The icon for the button. This is a image file name (relative to the HTML root location) [**String (256)**]
HOTKEY	The string form of the Hotkey for this button. e.g. Alt-S. [**String (26)**]
BUTTON_GROUP_LABEL	The label used for this button's group. All buttons with the same label will be grouped into a single button. Label can be internationalized ("I18N[]"). [**String (80)**]
ENABLED_WHILE_PLUGIN_ACTIVE	If true, then this button is enabled while a plugin is active. [**BOOLEAN**]
NEW_BUTTON_ROW	If true, then this button will start a new row of buttons in the POD. [**BOOLEAN**]
IS_GROUP	If true, then this is a group of buttons. [**BOOLEAN**]

COLUMN	Description/Default
PANEL	The panel this button is displayed on (Rich POD only). Panel ID's depend on the layout in use. [**String (1)**]
LOCATION	The location on the panel where this button is to be displayed (Rich POD only). Valid values include: § **Left (LEFT)** - Left side of the panel. § **Right (RIGHT)** - Right side of the panel. § **Top (TOP)** - Top side of the panel. § **Bottom (BOTTOM)** - Bottom side of the panel. [**String (6)**]

POD_CONFIG

Designs the POD's configuration for a given workstation.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
WORKSTATION_BO **(Required, Key)**	The workstation this POD configuration will be used for. [**HANDLE**]
DISPLAY_DEVICE	The intended display device for this POD. Valid values include: § **Standard (STANDARD)** – A standard POD is displayed. This is the normal web-based POD from previous releases (e.g. 6.0). § **Touch (TOUCH)** – A POD that is tailored for a smaller touch-screen device is displayed. [**String (20)**]

COLUMN	Description/Default
DEVICE_SIZE	The intended device size for this POD. Valid values include: § **Small (SMALL)** – A small touch-screen POD is displayed. The display elements are smaller. § **Medium (MEDIUM)** – A medium touch-screen POD is displayed. § **Large (LARGE)** – A large touch-screen POD is displayed. § **Extra-Large (XLARGE)** – An extra-large touch-screen POD is displayed. [**String (20)**]
SOUND_WITH_ERROR_MESSAGES	If 'true', then error messages displayed in the POD will be accompanied by an error sound. [**Boolean**]
SESSION_TIMEOUT	The number of minutes to keep the user's session alive. User will be logged out after this period of inactivity. [**INTEGER**]
MAIN_INPUT_PROMPT	The input prompt used for the main input field (normally SFC). [**String (256)**]
MAIN_INPUT_HOTKEY	The hotkey to move the input focus to the main input field (SFC input field). [**String (26)**]
TASK_LIST_ENABLED	Unused in this release. [**BOOLEAN**]
TASK_LIST_CONFIG_BO	The Task List Configuration to use for this workstation. [**HANDLE**]
ACTIVE_WORK_LIST_CONFIG_BO	The Active Work List Configuration to use for this workstation. [**HANDLE**]
WI_LIST_CONFIG_BO	The Work Instruction Plugin List Configuration to use for this workstation. [**HANDLE**]
TOOL_LIST_CONFIG_BO	The Tool plugin List Configuration to use for this workstation. [**HANDLE**]
OPER_LIST_CONFIG_BO	The Operation plugin List Configuration to use for this workstation. [**HANDLE**]
PLUGIN_DC_LIST_CONFIG_BO	The Data Collection plugin List Configuration to use for this workstation. [**HANDLE**]

COLUMN	Description/Default
RT_EVENT_DISPLAY_MODE	Determines whether the Real-Time Event viewer is displayed in the POD. Valid values include: § **None (None)** - No Real-time event viewer is displayed in the POD. § **Button (Button)** - The viewer is displayed as a button in the POD. § **Automatic (Automatic)** - The viewer window is automatically displayed in a new window when an event is received. § **Window (Window)** - The viewer window is displayed on startup. [**String (9)**]
CAN_CHANGE_OPERATION	If true, then the user may change the operation. [**Boolean**]
CAN_CHANGE_RESOURCE	If true, then the user may change the operation. [**Boolean**]
DEFAULT_OPERATION_BO	The POD's default operation. [**Handle**]
DEFAULT_RESOURCE_BO	The default resource for the POD. [**Handle**]
DEFAULT_WORK_CENTER_BO	The default work center for the POD. Work center POD only. [**Handle**]
DEFAULT_SUBSTEP_GROUP_BO	The default Substep Group for the POD. [**Handle**]
SHOW_OPERATION_FIRST	If true, then the operation is shown first in the GUI. [**Boolean**]
SHOW_QTY	If true, then the Qty field is displayed in the POD. [**Boolean**]
SHOW_USER	If true, then the user filter field is displayed. Only applies to the work center PODs. [**Boolean**]
SHOW_RESOURCE	If true, then the resource field is displayed. Only applies to the work center PODs. [**Boolean**]
SHOW_SFC	If true, then the SFC field is displayed. Only applies to the work center PODs. [**Boolean**]
SHOW_SUBSTEP_GROUP	If true, then the Substep Group field is displayed. [**Boolean**]
AUTO_EXPAND_MESSAGE_AREA NVARCHAR2	Auto expand message area. If True – then POD Message Area is auto expanded. If False – POD Message Area should be auto expanded manually. [**Boolean**]

COLUMN	Description/Default
PLUGIN_FRAME_SIZE	The size (%) of the frame height that the plugin should take up. [**INTEGER**]
PLUGIN_DEFAULT	The name of the default plugin (a JSP normally or an Activity ID). [**String (256)**]
ERROR_POPUP	If true, then the errors are displayed in a popup dialog instead of the top line in the POD. [**BOOLEAN**]
SFC_QUEUE_BUTTON_ID	The button to execute on field exists from the SFC field when the SFC is in queue (normally a Start or Pass activity). This provides a fast barcode interface mechanism. This button is only executed when the user tabs out of the SFC field using the Tab key. [**String (20)**]
SFC_IN_WORK_BUTTON_ID	The button to execute on field exists from the SFC field when the SFC is in work (normally a Complete activity). This provides a fast barcode interface mechanism. This button is only executed when the user tabs out of the SFC field using the Tab key. [**String (20)**]
FAILURE_TRACKING_CONFIG_BO	If "true", then the PCA schematic viewer will be displayed in a portion of the PCA Dashboard. If "false", then it will be displayed in a separate window. [**HANDLE**]
PCA_VIEWER_EMBEDDED	Unused in this release. [**BOOLEAN**]
PCA_VIEWER_ZOOMOUT	Unused in this release. [**BOOLEAN**]
ASSEMBLY_CONFIG_BO	Defines the list definition to be used in the Assembly Point GUI. [**HANDLE**]
SPECIAL_INSTRUCTION_DISPLAY	Controls how the special instruction is displayed in the POD. Valid values include: § **None (N)** - Never displayed. § **Popup (P)** - Message is displayed in a popup dialog. § **Info Message (I)** - Message is displayed in the normal information message location in the POD. [**String (1)**]
SESSION_INFO1	Placeholder for session information to be displayed on the POD for a POD operator. The information to be displayed is defined in POD maintenance. [**String (36)**]
SESSION_INFO2	Placeholder for session information to be displayed on the POD for a POD operator. The information to be displayed is defined in POD maintenance. [**String (36)**]
SFC_SELECT_LIST_CONFIG_BO	The SFC selection List Configuration to use for this workstation. [**HANDLE**]

COLUMN	Description/Default
DC_LIST_CONFIG_BO	The DC List Configuration to use for this workstation. [**HANDLE**]
COMP_ASSY_LIST_CONFIG_BO	The Component List Configuration to use for this workstation. [**HANDLE**]
SPLIT_GUI_VERTICAL	If true, then the WI GUI is rendered as vertical framesets. [**BOOLEAN**]
DISPLAY_DC_LIST	If true, then the Data Collection table is displayed. [**BOOLEAN**]
DISPLAY_COMP_ASSY_LIST	If true, then the Assembled Component list is displayed. [**BOOLEAN**]
DISPLAY_COMP_CONFIRM_LIST	If true, then the Component confirm list is displayed. This column is not used till 4.1.1. [**BOOLEAN**]
LAYOUT_TYPE	The layout used by the rich POD. [**String (30)**]
SFC_SELECTION_ACTIVITY_BO	The SFC selection selection activity GUI to use for this workstation. (Integrated POD only). [**HANDLE**]
SUBSTEP_LIST_CONFIG_BO	The Substep List Configuration to use for this workstation. [**HANDLE**]
RESOURCE_DISPLAY_OPTION	Based on a value (R or D), it will display Resource Name (R) or Resource Description (D) in the Resource Field of POD Selection Plugin. [**String (1)**]
CAN_CHANGE_WORK_CENTER	Defines whether the work center field read only or not. [**BOOLEAN**]
SHOW_WORK_CENTER	Defines whether to show a work center field. [**BOOLEAN**]
SHOW_HOME	Defines whether to show a home button. [**BOOLEAN**]
SHOW_HELP	Defines whether to show a help button. [**BOOLEAN**]
SHOW_LOGOUT	Defines whether to show a logout button. [**BOOLEAN**]

POD_PANEL

This defines how a panel in the LAYOUT is used by this POD. This includes the default plugin displayed in some types of panels (e.g. fixed panels).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
POD_CONFIG_BO **(Required, Key)**	The parent POD Config record. [**HANDLE**]
PANEL **(Required, Key)**	The panel (from the LAYOUT) that this POD will be using. [**String (1)**]
PANEL_TYPE	Indicates what the type of panel this is (as defined in the LAYOUT). Valid values include: § **Fixed (FIXED)** - Fixed (static) panel that is visible by default. § **Pop-Up (POPUP)** - The 'Panel' is displayed in a popup dialog when needed. § **Pop-over (POPOVER)** - The panel is displayed as needed by sliding over an existing fixed panel. [**String (7)**]
DEFAULT_PLUGIN_BO	The default plugin displayed initially (only applies to FIXED panels). [**HANDLE**]

PORTLET_CONFIG

Defines a portlet (report) configuration for the Executive Dashboard. This defines what portlets can be used in the dashboard.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's Handle. [**HANDLE**]
PORTLET_NAME	The portlet's name. [**String (32)**]
DESCRIPTION	The description of this object. [**String (40)**]
PORTLET_URI	The URI for this portlet. [**String (256)**]

COLUMN	Description/Default
SIZE_SMALL	If "true", then the small size is allowed. [**BOOLEAN**]
SIZE_MEDIUM	If "true", then the medium size is allowed. [**BOOLEAN**]
SIZE_LARGE	If "true", then the large size is allowed. [**BOOLEAN**]
SIZE_WIDE	If "true", then the wide size is allowed. [**BOOLEAN**]
SIZE_TALL	If "true", then the tall size is allowed. [**BOOLEAN**]
SIZE_ROW	If "true", then the portlet can take up an entire row. [**BOOLEAN**]
SIZE_COLUMN	If "true", then the portlet can take up an entire column. [**BOOLEAN**]
SIZE_CUSTOM	If "true", then the portlet can be a custom size. [**BOOLEAN**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

PORTLET_CONFIG_DATA

Defines configuration data for the portlet.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
PORTLET_CONFIG_BO **(Required, Key)**	The parent record for this record. [**HANDLE**]
NAME	The name of a searchable parameter for this portlet. [**String (32)**]

PREDEFINED_FIELD

This object defines the predefined fields. The predefined fields are used to support ListConfig columns.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
PREDEFINED_FIELD_GROUP_BO **(Required, Key)**	The parent objects handle. [**String (412)**] [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence this column should be displayed in the List. [**INTEGER**]
FIELD_ID	The ID of the field to display. See the Detailed Design Document for details. [**String (26)**]
DESCRIPTION	Description for this PredefinedFieldGroup. [**String (40)**]
IS_REQUIRED	If true, then this field is required in the list. [**BOOLEAN**]
REQUIRED_SEQUENCE **(Required, Key)**	The specific sequence this field must be in the list. [**INTEGER**]

PREDEFINED_FIELD_GROUP

This object defines the group of predefined fields. The predefined fields are used to support ListConfig columns.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
FIELD_GROUP **(Required, Key)**	Defines the Type of this PredefinedField Configuration (Active Work List, Task List, FailureData, ...). [**String (16)**]

COLUMN	Description/Default
DESCRIPTION	Description for this PredefinedFieldGroup. [**String (40)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE**]

PREDEFINED_FIELD_OPTION

This business object defines the predefined values for the predefined fields.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
PREDEFINED_FIELD_BO **(Required, Key)**	The handle for the predefined field. [**String (412)**] [**HANDLE**]
OPTION_NAME **(Required, Key)**	Name for the predefined option. [**String (26)**]
OPTION_VALUE	Hold the value for the given predefined option name. [**String (1024)**]

PREDEFINED_ICON

This defines the Icon available for the pre-defined field. This is normally an icon that can be used in List Maintenance.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
PREDEFINED_FIELD_BO **(Required, Key)**	The handle for the predefined field. [**String (412)**] [**HANDLE**]
ICON_ID **(Required, Key)**	The icon that is a possible choice for the predefined field. [**String (90)**]

PRINTER

Defines the Printer configuration in SAP ME.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. [**HANDLE**]
SITE **(Required, Key)**	The site where this printer belongs to. [**String (6)**]
PRINTER **(Required, Key)**	The name of this Printer. [**String (256)**]
DESCRIPTION	The description for this Printer. [**String (40)**]
ENABLED	The flag to notify if this Printer is enabled or not. [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

PRINTER_DOCUMENT_TYPE

This defines the document types attached to a Printer.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. [**HANDLE**]
PRINTER_BO **(Required, Key)**	The handle for the Printer. [**HANDLE**]
DOCUMENT_TYPE_BO **(Required, Key)**	The handle for the Document Type. [**HANDLE**]

PRINTING_LOG

This is a log of the documents that have been printed.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The record's handle. [**HANDLE**]
SITE	The site for this record. [**String (6)**]
SEQUENCE	The sequence the document was printed in. [**LONG**]
LOG_DATE	The date/time the printing took place. [**DATE_TIME**]
LOG_TYPE	Indicates if the print was successful or not. Valid values include: § **Success (S)** - Success. Not implemented for this release. § **Warning (W)** - Warning. [**String (1)**]
MESSAGE	The error message. [**String (1024)**]
DOCUMENT_BO	The document that was printed. [**HANDLE**]
DOCUMENT_CONTEXT_GBO	The document context (object the document was printed for). [**HANDLE**] [**SFC_BO, CONTAINER_BO, SHOP_ORDER_BO, PROCESS_LOT_BO**]
PRINT_QTY	The number of copies printed. [**LONG**]
PRINTER_NAME	The name of the printed the document was printed on. [**String (256)**]
WORKSTATION_BO	The workstation the document was printed from. [**HANDLE**]

COLUMN	Description/Default
ERROR_LOCATION	Indicates which phase of the processing the error occurred in. Valid values include: § **Data Acquisition (A)** - Error occurred during Data Acquisition. § **Formatting Class (F)** - Error occurred during Formatting Class. § **Transport class (T)** - Error occurred during Transport class. § **Others (O)** - Other location. [**String (1)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

PROCESS_LOT

Defines a process lot. This is a grouping of SFCs that can be processed together.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
PROCESS_LOT **(Required, Key)**	The process lot ID. [**String (128)**]
DESCRIPTION	The description of this lot. [**String (40)**]
CARRIER_TYPE_BO	The carrier type for this process lot. Controls how elements can be added. [**Handle**]
DATE_TIME	The date/time the lot was created.
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]

PROCESS_LOT_MEMBER

Defines a member of a process lot.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
PROCESS_LOT_BO **(Required, Key)**	The Parent process lot for this member. [**HANDLE**]
MEMBER_GBO **(Required, Key)**	The member of the lot. [**HANDLE**] [**SFCBO**]
ROW_NUMBER	Defines the row location (geometrically) for this member of the process lot. [**Integer**]
COLUMN_NUMBER	Defines the column location (geometrically) for this member of the process lot. [**Integer**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]

PROCESS_WF

This table defines the process workflows used by the various message types. The workflows handle certain automatic and manual actions that are triggered by message types.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for the process workflow. [**String (6)**]
PROCESS_WF **(Required, Key)**	The process workflow ID. [**String (128)**]
DESCRIPTION	The description of this process workflow. [**String (40)**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

PROCESS_WF_ACTIVITY

This table defines the detailed activities used by the process workflows. The workflows handle certain automatic and manual actions that are triggered by message types.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
PROCESS_WF_BO **(Required, Key)**	The process workflow this activity is used within. [**HANDLE**]
SEQUENCE **(Required, Key)**	Defines the order to execute this activity. [**INTEGER**]
ACTIVITY_BO	The activity to execute. [**HANDLE**]
BUTTON_LABEL	The label to display in the message board for manually-triggered actions. [**String (40)**]

PROCESS_WORKFLOW_STATE

This table contains the state of the process workflow, usually for a message workflow.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
OBJECT_BO **(Required, Key)**	The object this workflow state is associated with. This is usually a MESSAGE record. [**HANDLE**]
STATUS	The overall status of the workflow process. Valid values include: § **NEW (N)** – The process has just been started. § **ACTIVE (A)** – The process is active (in work). § **SUSPENDED (P)** – The process has been suspended, usually waiting for user input. § **COMPLETED (C)** – The process has run to completion. § **ABORTED (B)** – The process was aborted by the user or other reason. § **STOPPED (S)** – The process has been stopped by the user. [**String (1)**]
PROPERTIES	The current properties of this workflow. This is not human readable. [**BLOB**]

PRODUCTION_COMMENT

This table holds production comments logged against various object in SAP ME (SFC, etc). These are normally displayed in one of the SFC Detail reports.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**String (412)**]
SITE	The site this comment was logged in. [**String (6)**]
CONTEXT_GBO **(Required, Key)**	The object associated with this comment. Normally an SFC_BO. [**HANDLE**] (Expanded Archive Columns: **CONTEXT_SITE, CONTEXT_SFC**)
PRODUCTION_CONTEXT_GBO	The produciton context this comment was logged in (normally a HoldLogBO). [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence for this comment (to keep the handle unique for a given ContextGBO). [**INTEGER**]

COLUMN	Description/Default
USER_BO	The user that logged this comment. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
REASON_CODE_BO	The reason code logged along with these comments. Not populated for all types of comments. [**HANDLE**] (Expanded Archive Columns: **REASON_CODE_SITE, REASON_CODE**)
COMMENTS	The user's comments. [**String (2048)**]
ACTIVITY	The activity that this comment was logged from. [**String (20)**]
COMMENT_TYPE	The type of comment. Valid values include: § **Delete (D)** - Delete. § **FailureTracking (F)** - Failure Tracking. § **Undelete (N)** - Undelete. § **Scrap (S)** - Scrap. § **Unscrap (U)** - Unscrap. § **Hold (H)** - Place Hold. § **ReleaseHold (R)** - Release Hold. § Change Equipment Status (Q) - Change Equipment Status § **Log Comment (C)** - Manually Logged Comment. § **Buyoff Comment (C)** - Buyoff Comment. [**String (20)**]
STATE	The state of this comment (not used in this release). [**String (1)**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

PRODUCTION_DATE

Defines the specific production span (for reporting purposes only).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for which this production date is defined. [**String (6)**]
PRODUCTION_DATE_ID **(Required, Key)**	The Production Date's ID (reference only). Used on reports. [**String (128)**]
PRODUCTION_DATE	The production date for the production. [**DATE**]
PRODUCTION_SHIFT_BO **(Required, Key)**	The production shift this span is associated with. [**HANDLE**]
PRODUCTION_DAY_TYPE_BO	The Day Type use to define this production date. [**HANDLE**]
START_DATE_TIME	The beginning of the production span (inclusive). [**DATE_TIME**]
END_DATE_TIME	The end of the production span for this production date/shift. [**DATE_TIME**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

PRODUCTION_DAY_CLASS

This business object defines customizable definitions for day classes. While this information is not used within SAP ME, it is available for export to external systems.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. [**HANDLE**]
SITE **(Required, Key)**	This record's site. [**String (6)**]
DAY_CLASS **(Required, Key)**	Name of the day class. All uppercase. [**String (40)**]
DESCRIPTION	The description of this object. [**String (40)**]

COLUMN	Description/Default
DEFAULT_VAL	If true, then this is the default Day Class for the site. True for only one row within each site. [**BOOLEAN**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

PRODUCTION_DAY_TYPE

Defines the type of day that the production shifts are associated with (e.g. Weekend, Weekday, Holiday, etc.).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
DAY_TYPE **(Required, Key)**	The ID for this object. [**String (16)**]
DESCRIPTION	The description of this object. [**String (40)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

PRODUCTION_LOG

This business object defines the Production Log functionality.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The Site this event is taking place in. [**String (6)**]
ACTIVITY	The ID of the Activity that generated this event. [**String (20)**]
DATE_TIME	Timestamp for this entry. [**DATE_TIME**]
QTY	The Quantity in use. [**QTY**]
SFC	The SFC for the Operation. [**String (128)**]
PROCESS_LOT	The ProcessLot for this Operation. [**String (128)**]
OPERATION	The Operation at which this production activity took place. [**String (36)**]
OPERATION_REVISION	The Revision of the Operation. [**String (20)**]
ITEM	The Item in use. [**String (128)**]
ITEM_REVISION	The Revision of the Item. [**String (20)**]
ROUTER	The Router being used. [**String (128)**]
ROUTER_REVISION	The Revision of this Router. [**String (20)**]
STEP_ID	The Step (on the router) at which this production activity took place. [**String (6)**]
RESRCE	The Resource at which this production activity took place. [**String (36)**]
WORK_CENTER	The WorkCenter at which this production activity took place. [**String (36)**]
REWORK	"true" if the rework being done at this Router. [**BOOLEAN**]
QTY_STARTED	The Quantity Started. [**QTY**]
QTY_COMPLETED	The Quantity Completed at this Operation. [**QTY**]
QTY_DONE	The Quantity Finished at the end of the Router. [**QTY**]
QTY_SCRAPPED	The Number that were scrapped. [**QTY**]

COLUMN	Description/Default
QTY_NON_CONFORMED	The Qty that was non-conformed (any NC Code was logged). [**QTY**]
QTY_FAILED	The QTY that was failed as a primary NC. Secondary NCs (defects, repairs) are not counted here. [**QTY**]
ELAPSED_TIME	The amount of time from start. [**LONG**]
ELAPSED_QUEUE_TIME	The amount of time the SFC was in queue before it was started. This is the time from when it is placed in queue (for any reason) and when it is started. [**ELAPSED_TIME**]
TIMES_PROCESSED	The number of times processed at this operation. [**INTEGER**]
USER_ID	The User ID of the user performing this Operation. [**String (30)**]
ACTION_DETAIL_BO	A generic handle that can be used to hold additional infomation about this production record. Can be a handle to an NC_DATA record when failures are logged. [**HANDLE**]
PREVIOUS_RESOURCE_BO	The previous resource that this SFC was processed. [**HANDLE**]
REPORTING_CENTER_BO	The reporting work center associated with the router step. [**HANDLE**]
SFC_DONE	True if the SFC was completed (or fully scrapped) at this step. [**BOOLEAN**]
SHOP_ORDER_BO	The shop order for this SFC. [**HANDLE**]
CREW	The Crew of which the User was member during the production activity. [**String (26)**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
NC_DEFECT_COUNT	The total defect count for the corresponding primary NC data records. [**INTEGER**]
START_DATE_TIME	Date-time of SFC start. [**DATE_TIME**]

PRODUCTION_SHIFT

Defines a specific shift for production tracking.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
PRODUCTION_DAY_TYPE_BO **(Required, Key)**	The Production Day Type for which this shift is defined. [**HANDLE**]
PRODUCTION_SHIFT **(Required, Key)**	The shift ID. [**String (6)**]
DESCRIPTION	The description of the shift. [**String (40)**]
START_TIME	The time the shift begins. If the StartTimeType is "P" (or "N"), then this shift begins on the previous (or next) day. Stored as a plan number (e.g. 1530 for 15:30). [**INTEGER**]
START_TIME_TYPE	Defines if the Start Time is on the "current" production day, or the previous or next date. Valid values include: § **Current (C)** - Shift is associated with the current day. § **Previous (P)** - Shift is associated with the previous day. § **Next (N)** - Shift is associated with the next day. [**PRODUCTION_TIME_String (1)**]
END_TIME	The time the shift ends. If the EndTimeType is "P" (or "N"), then this shift ends on the previous (or next) day. Stored as a plan number (e.g. 1530 for 15:30). [**INTEGER**]
END_TIME_TYPE	Determines if the end time of this shift falls on the current date, or the next/previous. Valid values include: § **Current (C)** - Shift is associated with the current day. § **Previous (P)** - Shift is associated with the previous day. § **Next (N)** - Shift is associated with the next day. [**PRODUCTION_TIME_String (1)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

PRODUCT_DIM

Defines a dimension table for the failure history aggregate fact table. This dimension records the item (SFC's item) and revision.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DIM_KEY	The dimension key (database reference). [**LONG**]
DIM_LEVEL	The level in the dimension hierarchy this key belongs to. [**String (20)**]
SITE	The site this dimension was created for. [**String (6)**]
ITEM	The item this dimension refers to. [**String (128)**]
ITEM_REVISION	The item's revision. [**String (20)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

REASON_CODE

This defines a code used to categorize corrective actions (reasons).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site for this record. [**String (6)**]
REASON_CODE **(Required, Key)**	The code itself. [**String (128)**]
DESCRIPTION	The description of the code. [**String (40)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

COLUMN	Description/Default
CATEGORY	The category to which the reason code is assigned. Valid values include: § **CORRECTIVE_ACTION (C)** - This code is used for correction action functionality. § **HOLD (H)** - This code is used for hold functionality. [**String (1)**]
STATUS_BO	The code's status (from the BASIC status group. [**HANDLE**]
MESSAGE_TYPE_BO	The message sent when this Reason Code is logged under some conditions. [**HANDLE**]

RESOURCE_RC_ASSIGNMENT

This table defines possible reason codes that could be logged on resource status change.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required)**	The handle for this object. This includes RESOURCE_BO and RESOURCE_REASON_CODE_BO. [**HANDLE**]
RESOURCE_BO **(Required)**	Reference to RESOURCE record. [**HANDLE**]
RESOURCE_REASON_CODE_BO **(Required)**	Reference to RESOURCE_REASON_CODE record. [**HANDLE**]
MACHINE_CODE	Machine code associated with reason code. [**String (40)**]

RESOURCE_REASON_CODE

This table defines reason codes logged against resources (machines).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the SITE and KEY_ID values. Even though the KEY_ID field uniquely identifies each reason code, a HANDLE is required by the ME architecture. [**String (412)**]
SITE	The site for this record. [**String (6)**]
KEY_ID **(Required, Key)**	On the conceptual level a reason code is uniquely identified by the ten reason code columns (REASON_CODE1…REASON_CODE10). In addition to SITE, the reason code columns make up the key fields of the reason code object. However, all but the first reason code column may have NULL values, and these NULL values are included in the identity of a reason code (i.e. they cannot be omitted when selecting a reason code). Because key fields must always have a value, the reason code columns cannot be used technically as key fields. Instead, the KEY_ID column is a single key that serves to uniquely identify each reason code, effectively taking the place of the reason code columns. [**LONG**]
REASON_CODE1…REASON_CODE10	The resource reason code columns contain the reason code IDs of the parents of this reason code and the ID of this reason code. There can be a hierarchy of at most nine parent reason codes. For example, if REASON_CODE1 through REASON_CODE6 all have values and the remaining reason code columns have NULL values, then REASON_CODE1 through REASON_CODE5 are the parent reason codes and REASON_CODE6 is the ID of the reason code. [**String (36)**]
STATUS_BO	The resource reason code's status (from the RESOURCE_REASON_CODE status group). Valid values include enabled and disabled. [**HANDLE**]
TIME_ELEMENT_BO	OEE time element associated with the reason code. [**HANDLE**]
SEQUENCE	Defines a default ordering for the resource reason code with respect to its siblings (grouped under a parent resource reason code) [**INTEGER**]
TARGET_IN_MIN	Standard duration in minutes. This is used to see the variance in the planned downtime duration verses the actual duration for a downtime having this reason code. [**INTEGER**]
IS_FIXED	If true, the user cannot change report a time different that that specified by TARGET_IN_MIN. [**String (5)**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

RESOURCE_REASON_CODE_T

This table defines translations for resource reason codes.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required)**	The handle for this object. This includes the LOCALE and RESOURCE_REASON_CODE_BO. [**HANDLE**]
LOCALE **(Required)**	Language code. [**String (7)**]
RESOURCE_REASON_CODE_BO **(Required)**	Reference to RESOURCE_REASON_CODE record. [**HANDLE**]
DESCRIPTION **(Required)**	Localized description value for the resource reason code. [**String (40)**]

RESOURCE_SETUP

Defines the basic setup state(s) for a resource. In this release, this can only be setup for an Item.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SEQUENCE **(Required, Key)**	Used to make a unique key for the setup records. [**INTEGER**]

COLUMN	Description/Default
RESOURCE_BO **(Required, Key)**	This setup record is defined for this parent resource. [**HANDLE**]
SETUP_GBO **(Required, Key)**	The object the resource is setup for. [**HANDLE**] [**ItemBO, OperationBO, ItemGroupBO, ShopOrderBO, BOMBO**]
STATE	The state of this setup entity. [**String (1)**]
USER_BO	The user that made this setup. [**HANDLE**]
DATE_TIME	The date/time this resource was setup for this object.

RESOURCE_SETUP_RELATIONSHIP

This is a mapping table to represent the Resource relationship to Item, BOM, Operation and ShopOrder.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
RESOURCE_SETUP_BO **(Required, Key)**	The parent setup associated with this relationship record. [**HANDLE**]
ITEM_OR_ITEM_GROUP_GBO	The item being built. [**HANDLE**]
BOM_BO	The BOM definition used by this SFC. (Note: this BOMBO is a shoporder- or SFC-specific BOM that was created at release time). [**HANDLE**]
OPERATION_BO	The operation that this SFC is to be worked or was already worked. [**HANDLE**]
SHOP_ORDER_BO	The RMA shop order for thie RMA. [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique identifier for this particular resource slot. [**SEQUENCE**]

RESOURCE_SHIFT

Mapping of resource to user shift.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required)**	The handle for this object. This includes the RESOURCE_BO, USER_SHIFT_BO, VALID_FROM. [**HANDLE**]
RESOURCE_BO **(Required)**	Reference to resource. [**HANDLE**]
USER_SHIFT_BO **(Required)**	Direct reference to user shift. [**HANDLE**]
VALID_FROM	Validity start date-time. [**DATE_TIME**]
VALID_TO	Validity end day-time. [**DATE_TIME**]

RESOURCE_SPEED_LOSS

Defines speed loss reported by operator

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes KEY_ID. [**HANDLE**]
KEY_ID	The speed loss GUID. [**INTEGER**]
SHOP_ORDER_BO	Reference to shop order. [**HANDLE**]
RESOURCE_BO	Reference to resource. [**HANDLE**]

COLUMN	Description/Default
OPERATION_BO	Reference to operation. [**HANDLE**]
RESOURCE_REASON_CODE_BO	Reference to resource reason code. [**HANDLE**]
SHIFT_START_DATE_TIME	Date-time of shift start. [**DATE_TIME**]
SHIFT_END_DATE_TIME	Date-time of shift end. [**DATE_TIME**]
DURATION	Speed loss duration in milliseconds. [**INTEGER**]
PARTITION_DATE	Partition date for table partitioning. [**DATE_TIME**]

RESOURCE_STATUS_LOG

Defines the log of resource status changes

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes RESOURCE_BO and DATE_TIME. [**HANDLE**]
RESOURCE_BO	Reference to Resource. [**HANDLE**]
TIME_ELEMENT_TYPE_BO	Time element time type associated to the resource status at the event start time. [**HANDLE**]
STATUS_BO	Resource status at the event start. [**HANDLE**]
RESOURCE_REASON_CODE_BO	Reference to resource reason code. [**HANDLE**]
DATE_TIME	The start date/time of the change status event. [**DATE_TIME**]

COLUMN	Description/Default
COMMENTS	Comments logged for the record by user. [**String(256)**]
RECORD_TYPE	Enumeration: M - Indicates if it the event was logged in manual mode; A – Indicates automatic mode. [**String(1)**]
MINOR_STOPPAGE	Enumeration: A -this is a minor stoppage which effects availability; S – this is a minor stoppage which effects speed loss. [**String(1)**]
PARTITION_DATE	Partition date for table partitioning. [**DATE_TIME**]

RESOURCE_TECHNICAL_OBJECT

Defines ERP functional location structure associated with resource

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes RESOURCE_BO and ERP_EQUIPMENT_NUMBER. [**HANDLE**]
RESOURCE_BO	Reference to Resource. [**HANDLE**]
ERP_FUNCTIONAL_LOCATION	ERP functional location name. [**String(30)**]
ERP_EQUIPMENT_NUMBER	ERP equipment identifier. [**String(10)**]

RESOURCE_TIME_LOG

This object records time spent working on specific SFCs for specific users are specific resources. This is used to determine the machine time spent working on a particular SFC.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site the production took place in. [**String (6)**]
RESOURCE_BO **(Required, Key)**	The resource at which the work was performed. [**HANDLE**]
STRT	A String version of the StartDateTime. Format="yyyyMMdd.HHmmss.SSS" (24hr). [**String (128)**]
START_DATE_TIME **(Required, Key)**	The date/time the work was started. [**DATE_TIME**]
END_DATE_TIME	The date/time the work was finished (or the total SFCs in work by the user/resource was changed). [**DATE_TIME**]
ACTIVE	Indicates if this Resource Time Log record is Active, No Active or Idle. Valid values include: § **Active (true)** - The resource time log record is active and it has active SFCs. § **Closed (false)** - The resource time log record is closed (not current). § **Active No SFCs (idle)** - The resource time log record is active but it has no active SFCs. This means the resource is idle. [**BOOLEAN**]
RESOURCE_STATE	The state the resource was in. This indicates only if SFCs are in work or the resource is idle. The RESOURCE_STATUS_BO gives better picture of Idle states (e.g. SEMI E10 states). Valid values include: § **Production (P)** - Normal production time (SFCs are in work). § **Idle (I)** - Resource is idle. [**String (1)**]
RESOURCE_STATUS_BO	The status of the resource at the time this TimeLog entry was created. [**StatusBO**] [**HANDLE**]
ACTIVITY_BO	The activity that caused this record to be recorded. **Note:** Due to an error in the original schema definition, this is NOT a handle. [**HANDLE**]

COLUMN	Description/Default
REASON_CODE_BO	The reasons code that was logged with the resource status change. This is only populated when the resource status is changed explicitly by the user or API. [**HANDLE**]
ELAPSED_TIME	The elapsed time spent in this state. This will be null for active records. [**LONG**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
RESOURCE_REASON_CODE_BO	Reference to RESOURCE_REASON_CODE record. [**HANDLE**]

RESOURCE_TIME_MEMBER

Contains detailed of the SFCs worked during the time span defined in the parent Resource Time Log record.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
RESOURCE_TIME_LOG_BO **(Required, Key)**	The parent resource time entry. [**HANDLE**]
USER_BO **(Required, Key)**	The user that performed the work. [**HANDLE**]
SFC_BO **(Required, Key)**	The SFC being worked. [**HANDLE**]
OPERATION_BO	The operation worked. [**HANDLE**]
ITEM_BO	The Item being worked. [**HANDLE**]
ROUTER_BO	The router being worked on. [**HANDLE**]

COLUMN	Description/Default
SHOP_ORDER_BO	The shop order for this SFC. [**HANDLE**]
START_DATE_TIME	The Date/time that the SFC was started at the resource. [**DATE_TIME**]
END_DATE_TIME	The Date/Time the SFC was removed from work at this Resource. [**DATE_TIME**]
STEP_ID	The Step being worked. [**String (6)**]
QTY	The Qty that was worked.
BOM_BO	The BOM used by the SFC when the SFC was processed at this resource. [**HANDLE**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]
ODS_EFF_DATE_TIME	Facilitates transfer of records to the ODS. Formerly, END_DATE_TIME was used. But this is not adequate when an SFC has been serialized/split etc, because new records are created that need to be transferred. So the ODS effective date time catches these new records. [**DATE_TIME**]

RESOURCE_TYPE

This business object defines the Resource Type business object.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	The site this object is defined for. [**String (6)**]
RESOURCE_TYPE **(Required, Key)**	The resource type's name (must be unique within a site). [**String (16)**]
DESCRIPTION	The resource type's description. [**String (40)**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

RESOURCE_TYPE_RESOURCE

This business object defines the assignment of a resource to a resource type.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
RESOURCE_TYPE_BO **(Required, Key)**	The parent Resource Type. [**HANDLE**]
RESOURCE_BO **(Required, Key)**	The Resource's ID. [**HANDLE**]

RESRCE

This object is an Enterprise Business object that provides the primary application interface for Resource information.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
RESRCE **(Required, Key)**	The name of the resource (must be unique within a given site). [**String (36)**]
DESCRIPTION	The resource's description. [**String (40)**]

COLUMN	Description/Default
STATUS_BO	A status from the Resource Status Group. [**HANDLE**]
PENDING_STATUS_BO	This is the pending status for the resource. The Resource's status is changed to this status when there are no longer any SFCs in work at the resource. [**HANDLE**]
PENDING_REASON_CODE_BO	This is the reason code logged for the pending status change for the resource. This reason code is only populated while a status change is pending. After the pending status change is triggered, this reason code is logged to the PRODUCTION_COMMENT table. [**HANDLE**]
PENDING_COMMENTS	These are the comments logged for the pending status change for the resource. These comments are only populated while a status change is pending. After the pending status change is triggered, these comments are logged to the PRODUCTION_COMMENT table. [**String (2048)**]
PROCESS_RESOURCE	If true, then all SFCs started at this resource will be owned by the resource. If false, then the operator/crew that started the SFCs will own the active work. [**BOOLEAN**]
VALID_FROM	The date from which this resource is allowed to operate. [**DATE_TIME**]
VALID_TO	The date to which resource is allowed to operate. [**DATE_TIME**]
OPERATION_BO	The default Operation for this resource (used in production operator dashboard). [**HANDLE**]
SETUP_STATE	The setup state of this object. Valid values include: § **Open (O)** - The resource is setup and may be used to build any product. § **Setup (S)** - The resource is setup for specific product(s). § **Setting Up (T)** - The resource is being setup. § **Breaking Down (B)** - The resource is being broken down (un-setup). § **Not Setup (N)** - The resource is not setup. [**String (1)**]
SETUP_DESCRIPTION	This is a description of the setup state. It is normally the Item the resource is setup for, but may be anything. This value is normally displayed by the POD. [**String (40)**]
CNC_MACHINE	The name of CNC Machine, this resource is associated with. [**String (412)**]

COLUMN	Description/Default
ERP_EQUIPMENT_NUMBER	The unique ERP equipment ID. [**String (18)**]
ERP_PLANT_MAINT_ORDER	The ERP plant maintenance work order. [**String (12)**]
ERP_INTERNAL_ID	The ERP internal ID for this resource. [**Integer**]
ERP_CAPACITY_CATEGORY	The ERP capacity category that this Resource belongs to. [**String(3)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
PENDING_RESOURCE_RC_BO	A reference to resource reason code of pending status change. [**HANDLE**]

RMA_DATA

Contains the detail data values for this RMA (custom data collected for the RMA).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
RMA_NUMBER_BO	The parent RMA for this data record. [**HANDLE**]
RMA_CONTEXT_GBO	The object associated with this data value. [**HANDLE**]
DATA_FIELD	The data fields name (ID). [**String (60)**]
DATA_ATTR	The data value. [**String (1024)**]
VALIDATION_TYPE	The type of validation used for this custom data. [**String (1)**]
REQUIRED	If true, then a data value is required. [**BOOLEAN**]
SEQUENCE	The order this data value is displayed in. [**INTEGER**]

RMA_NUMBER

Defines a Return Material Authorization number. This controls returning SFCs back to work within SAP ME.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE	The site for this object. [**String (6)**]
RMA_NUMBER	The RMA number associated with the returned material. [**String (36)**]
SHOP_ORDER_BO	The RMA shop order for thie RMA. [**HANDLE**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]

ROUTER

This business object defines the primary Router business object. This object maintains data about the router, such as its name and status. It also serves as a container and primary interface to the steps of the router.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site this router is defined in. [**String (6)**]
ROUTER **(Required, Key)**	Router name. [**String (128)**]

COLUMN	Description/Default
ROUTER_TYPE **(Required, Key)**	This is used to distinguish between a shop order-specific router and a User Router. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). § **Sampling Router (M)** – This router is used for the ME sampling plan feature. § **Configurable (G)** – This is a configurable router. [**String (1)**]
REVISION **(Required, Key)**	The revision of this Router. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision of this BOM. [**Boolean**]
BOM_BO	If not-null, then this is the BOM used to assign components for assembly within this routing (e.g. at substeps). [**Handle**]
EFF_START_DATE	The starting Date/Time that this revision is effective for. This is only valid if the Effectivity Control is set to "Date". (**Not used in this release**). [**DateTime**]
EFF_END_DATE	The ending Date/Time that this revision is effective for. This is only valid if the Effectivity Control is set to "Date". (**Not used in this release**). [**DateTime**]
DESCRIPTION	Description of the router. [**String (40)**]
TEMPORARY_ROUTER	Indicates (true/false) if this router is temporary. This indicates that this router will be deleted when the last SFC referencing it is deleted. [**Boolean**]
RELAXED_FLOW	If ‘true’, then this routing is a relaxed flow routing. This means the SFC quantity can be worked at multiple steps in the routing in most scenarios. The quantity flows down the routing as it is completed at earlier steps. This also allows incremental release of orders and auto-split/merge features. [**Boolean**]
STATUS_BO	The status of this router. Must be a member of the Product Definition Status Group. [**Handle**]

COLUMN	Description/Default
ORIGINAL_STATUS_BO	The original status before this router was placed on hold (used for release mechanism). [**Handle**]
ENTRY_ROUTER_STEP_BO	Starting (entry) router step for this router. [**Handle**]
COPIED_FROM_ROUTER_BO	The router this router was copied from (for genealogy purposes). [**Handle**]
GUI_REPRESENTATION	Contains the GUI Representation of this router in XML format. [**CLOB**]
HAS_BEEN_RELEASED	If "true", then this router has been used on an SFC at some time. The router will only allow limited edits via the GUI and no changes via the Xchange API (XML updates). [**Boolean**]
SEND_AS_SHARED	Used only in case of Exporting Routing to ERP. If "true", then this router is shared between ME and ERP. If "false", for every Material-Routing combination a new Router is created in ERP. [**Boolean**]
SENT_TO_ERP	Used only in case of Exporting Routing to ERP. If "true", then this router has been sent to ERP. [**Boolean**]
ERP_CHANGE_NUMBER	Used only in case of Exporting Routing to ERP. The ERP change number which is used for subsequent material assignment. [**String(12)**]
DISPOSITION_GROUP_BO	The disposition group to be invoked when completing the end of the router. This is only invoked if the router ends with an operation step that has no next steps after it. [**Handle**]
DISPLAY_TYPE	Defines if the router was created in graphical or tabular mode. Valid values include: § **Graphical (G)** - Router was created in graphical mode. § **Tabular (T)** - Router was created in tabular mode. [**String (1)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DateTime**]
CREATED_DATE_TIME	The date/time this record was created. [**DateTime**]
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)

COLUMN	Description/Default
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)
HOLD_ID	The unique hold id assigned to this Router when the hold was done on this Router. [**String (20)**]

ROUTER_DONE_STEP

This router component will mark the previous router as done and proceed to the next router, if needed.

Note: There are no components (columns) for this object. It uses the components from its super-class.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this Done step. [**HANDLE**]

ROUTER_HOLD_STEP

This router component places the SFC on hold immediately or at a future step on the router.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
ROUTER_STEP_BO **(Required, Key)**	The router step for this Hold step. [**HANDLE**]
IMMEDIAT	If true, then the SFC is placed on hold immediately. [**BOOLEAN**]
COMPLETE_ORIGINAL	If true, then the original operation that the SFC came from will be marked as completed. If false, then it will be placed in queue at the original operation. [**BOOLEAN**]
SFC_STATUS_BO	This is the Hold status that the SFC is set to when the hold is placed. [**StatusBO**] [**HANDLE**]
OPERATION_BO	This is the Operation for the future hold step. Ignored if Immediate=true. [**HANDLE**]

ROUTER_LINK

This router component points to another router or router group as a step on the router (RouterBO).

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this Nested Router step. [**HANDLE**]
ROUTER_OR_GROUP_G_BO **(Required, Key)**	The Router or Router Group that is linked in as a step on this router. [**HANDLE**] [**RouterBO, RouterGroupBO**]

ROUTER_MASTER

RouterBO extends RevisionableEBO, which creates an auxiliary table called ROUTER_MASTER. This table defines master data for a revision family of RouterBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Router revision family. [**String (6)**]
ROUTER **(Required, Key)**	The name/id of the Router revision family. [**String (128)**]
ROUTER_TYPE **(Required, Key)**	The Router Type of the Router revision family. Valid values include: § **Production Router (U)** - Production Router. § **Shoporder Router (H)** - Shop Order-specific Router. § **SFC Router (S)** - SFC-Specific Router (Dynamic Router). § **Special Router (C)** - Special Operation Router. § **NC Router (N)** - NC (Rework) Router. § **Disposition Router (D)** - Disposition Router (used in disposition groups). [**String (1)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Router revision family. (Unused in this release). [**String (1)**]

ROUTER_NEXT_STEP

This is a possible next step for the given RouterStepBO. It points to another RouterStepBO.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ROUTER_STEP_BO **(Required, Key)**	The Router step that this entry is a possible next step for. [**HANDLE**]
NEXT_STEP_BO **(Required, Key)**	The step that is next. [**RouterStepBO**] [**HANDLE**]
SEQUENCE	The order this next step will appear in. [**INTEGER**]
SCRIPT_BO	The script (if any) associated with this step. [**HANDLE**]
ACTION_ID	An identifier for next step evaluation. This is used for preliminary disposition selection. **(Not used in this release)** [**String (128)**]

COLUMN	Description/Default
FAILURE_PATH	If true, then this path is a failure path. SFCs that have been non-conformed may take this next step. **(Not used in this release)** [**BOOLEAN**]
DESCRIPTION	The description of this next step (will be used as label for the line connection the two steps). [**String (40)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

ROUTER_OPERATION

This is a step that is a production operation.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this Operation step. [**HANDLE**]
OPERATION_BO	The operation to be performed at this step. [**HANDLE**]
MAX_LOOP	This integer value limits how many times an SFC may be restarted through this step. If 0, then there is no limit. [**INTEGER**]
STEP_TYPE	**(Not used in this release)** Valid values include: § **Normal (N)** - Normal Step (Required and not Independent). § **Independent-Optional (O)** - The step is independent and is optional. § **Independent-Required (R)** - The step is independent and is required. [**String (1)**]
SPECIAL_INSTRUCTION	This instruction is displayed in the POD after a start. [**String (128)**]
REQUIRED_TIME_IN_PROCESS	This expected time in process for this step (minutes). This is enforced by a hook activity. [**INTEGER**]

ROUTER_RETURN_STEP

This router component returns the SFC to the previous router at a specified step.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this return step. [**HANDLE**]
RETURN_TYPE	Defines the step to which the SFC will return. Valid values include: § **Original Operation (O)** - Returns to the original operation. § **Next Operation (N)** - Returns to the step(s) after the original operation. § **Any Previous Operations (P)** - Returns to any of the steps before the original operation. § **Previous Operations (R)** - Returns to the previous step. § **Any Operation (A)** - Returns to any step on the router. [**String (1)**]
OPERATION_BO	The operation to return the SFC to (if valid on the original router). If not given, user may be prompted for the step if more than 1 value is possible. [**HANDLE**]
COMPLETE_ORIGINAL	If true, then the original operation is completed and the SFC is placed in queue at the next one. [**BOOLEAN**]

ROUTER_SCRAP_STEP

This Router component will scrap the Qty being processed. If the whole SFC is scrapped, then the SFCBO.StatusBO will be set to the SFCStatusBO.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this Scrap step. [**HANDLE**]
SFC_STATUS_BO	The Status applied to a scrapped SFC (when the entire SFC qty is scrapped). [**StatusBO**] [**HANDLE**]
SCRAP_PARENT	Determines whether the option to scrap the parent while leaving the components intact is available. [**BOOLEAN**]
SCRAP_ALL	Determines whether the option to scrap the parent and the child SFC components is available. [**BOOLEAN**]
SCRAP_AND_RETURN_COMP	Determines whether the option to scrap the parent and remove and return the child SFC components to inventory is available. [**BOOLEAN**]

ROUTER_SEL_RULE

This table was designed to store the Selection Rules that are attached to a Router.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_BO **(Required, Key)**	The Router associated with the Selection Rule. [**HANDLE**]
KEY_ID **(Required, Key)**	The key identifier. [**INTEGER**]
ERP_SELECTION_RULE	The selection rule name. [**String (30)**]
ERP_SELECTION_DESCRIPTION	The description of the selection rule. [**String (40)**]

COLUMN	Description/Default
ATTACHMENT_BO	The attachment object where selection rule is attached. If the column is populated, other columns such ROUTER_STEP_BO, ROUTER_STEP_COMPONENT_BO, ROUTER_SUBSTEP_BO and ROUTER_SUBSTEP_COMPONENT_BO will not be populated. [**HANDLE**]
ROUTER_STEP_BO	The router step where selection rule is attached. If the column is populated, other columns such ATTACHMENT_BO, ROUTER_STEP_COMPONENT_BO, ROUTER_SUBSTEP_BO and ROUTER_SUBSTEP_COMPONENT_BO will not be populated [**HANDLE**]
ROUTER_STEP_COMPONENT_BO	The bom component of an assigned router step where selection rule is attached. If the column is populated, other columns such ATTACHMENT_BO, ROUTER_STEP_BO, ROUTER_SUBSTEP_BO and ROUTER_SUBSTEP_COMPONENT_BO will not be populated [**HANDLE**]
ROUTER_SUBSTEP_BO	The substep where selection rule is attached. If the column is populated, other columns such ATTACHMENT_BO, ROUTER_STEP_BO, ROUTER_STEP_COMPONENT_BO and ROUTER_SUBSTEP_COMPONENT_BO will not be populated [**HANDLE**]
ROUTER_SUBSTEP_COMPONENT_BO	The bom component of an assigned substep where selection rule is attached. If the column is populated, other columns such ATTACHMENT_BO, ROUTER_STEP, ROUTER_STEP_COMPONENT_BO and ROUTER_SUBSTEP_BO will not be populated [**HANDLE**]

ROUTER_STEP

This defines a single step entity on the router. This can be an operation, group of steps, another router, a group of other routers, etc. Any child of RouterComponentBO may be a step.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_BO **(Required, Key)**	The router this step is on. [**HANDLE**]
STEP_ID **(Required, Key)**	The Unique step ID this Step is referred to. [**String (6)**]
REPORTING_STEP	Indicates how this step is known in the MRP/ERP system. This is used to send confirmations of completes to the external MRP/ERP system. [**String (36)**]
SCRAP_REPORTING_STEP	The reporting step ID used for ERP messages when reporting a Scrap action. [**String (36)**]
SEQUENCE	Indicates the rough order the steps will be executed in. The actual order is determined by the RouterNextStepBO. [**INTEGER**]
DESCRIPTION	The description of this step. [**String (40)**]
REWORK	If true, then the time spent at this step is considered rework. [**BOOLEAN**]
QUEUE_DECISION_TYPE	This determines who decides where an SFC should be placed in queue when completing this step. Valid values include: § **Completing Operator (C)** - Completing operator decides where the SFC will be worked next. § **Next Operator (N)** - The SFC is placed in queue at all possible next steps. The first step started will determine the path. [**String (1)**]
REPORTING_CENTER_BO	The work center associated with this step. This is strictly used for reporting purposes in the Production Log, Activity Log and NC Data tables. [**HANDLE**]
ROUTER_COMP_GBO	This is the router component that represents this step. [**HANDLE**] [**RouterOperationBO, RouterLinkBO, RouterDoneStepBO, RouterScrapStepBO, RouterHoldStepBO, RouterReturnStepBO, RouterStepGroupBO**]

COLUMN	Description/Default
TABULAR_STEP_TYPE	The step type used to create this step in the tabular router mode. This does not affect the processing of steps, only the display. The next step links and grouping control the flow of SFCs down this router. Valid values include: § **Normal (N)** - Normal Step Type. Steps are executed one after each other. § **Optional (N)** - Optional Step Type. This step can be skipped. § **Simultaneous (N)** - Simultaneous Step Type. This step will be part of a simultaneous step group. § **Any Order (N)** - Any Order Step Type. This step will be part of an 'any order' step group. [**String (1)**]
IS_LAST_REPORTING_STEP	If true, then this is the last reporting step defined on this routing. Used for the ERP integration. [**Boolean**]
ERP_SEQUENCE	The ERP Sequence number for this routing step. Used for the ERP integration. [**String(6)**]
ERP_CONTROL_KEY_BO	The ERP Control Key definition that this step should use. This controls how SFCs are allowed to move down the routing. Used for the ERP integration. [**Handle**]
ERP_WORK_CENTER_BO	The ERP Work Center that this step will be executed in, within ERP. Used for the ERP integration. [**Handle**]
ERP_INSPECTION_COMPLETE	If true, then all SFCs will not be able to complete this step until all inspections are completed. Used for the ERP integration. [**Boolean**]
ERP_OPERATION	Indicates how this step is known in the ERP system. [**String(36)**]

ROUTER_STEP_COMPONENT

This contains the components to be assembled at the step.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ROUTER_STEP_BO **(Required, Key)**	The substep for this component. [**Handle**]
BOM_COMPONENT_BO	The BOM component to assemble. [**Handle**]
SEQUENCE	Controls the order of display and execution of the component. [**Integer**]
QTY	The number of pieces of the component to be assembled at this substep. [**Qty**]

ROUTER_STEP_GROUP

This business object defines a group of router steps. Only RouterOperationBO's may be in a router step group.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO	The parent Router Step for this group. [**HANDLE**]
ROUTER_STEP_GROUP_TYPE	The type of router step group. Controls how the operations within the group may be executed (which ones can be executed simultaneously. Valid values include: § **Any Order (A)** - The steps in this group can be executed in any order. § **Simultaneous (S)** - The steps in this group can be executed simultanously. § **Sequential Concurrent (C)** - The steps in this group can be executed sequentially **(later release)**. [**String (1)**]

ROUTER_STEP_GROUP_STEP

This BO contains one of the members of the router step group.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_GROUP_BO **(Required, Key)**	The parent router step group. [**HANDLE**]
SEQUENCE **(Required, Key)**	Controls the order the steps are controlled within the group. [**INTEGER**]
ROUTER_STEP_BO	The router step that is in this group. [**HANDLE**]
SUCCESSORS	A comma-delimited list of next step successors for this particular step group member. The steps listed here cannot be started until this step is completed. [**String (4000)**]

ROUTER_SUBSTEP

This contains the substeps that need to be performed as part of the routng step.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step for this substep. [**HANDLE**]
SUBSTEP_ID	The unique ID for this substep. This is similar to a step ID. [**String(6)**]
SUBSTEP	A unique name for this substep. This is the value displayed to the user. [**String(36)**]

COLUMN	Description/Default
SUBSTEP_GROUP	The group of substeps this substep belongs to. [**String(30)**]
SUBSTEP_TYPE	The type of substep. Controls the importance of the substeps. Valid values include: § **Normal (NORMAL)** - The substep has normal importance and must be finished. § **Optional (OPTIONAL)** – The substep is optional and may be bypassed. § **Critical (CRITICAL)** – The substep is critical and must be finished. [**String (25)**]
TIMER	Unused in this release. [**Integer**]
SEQUENCE	Controls the order of display and execution of the substep. [**Integer**]
DESCRIPTION	A short description of this substep. [**String(40)**]
LONG_DESCRIPTION	The long description of this substep. [**String(1024)**]

ROUTER_SUBSTEP_COMPONENT

This contains the components to be assembled at the substep.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
ROUTER_SUBSTEP_BO **(Required, Key)**	The substep for this component. [**Handle**]
BOM_COMPONENT_BO	The BOM component to assemble. [**Handle**]
SEQUENCE	Controls the order of display and execution of the component. [**Integer**]
QTY	The number of pieces of the component to be assembled at this substep. [**Qty**]

RTW_CONFIG

Defines the real time warning configuration.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for this object. [**String (6)**]
ITEM **(Required, Key)**	The item for which this RTW configuration is used. [**String (128)**]
OPERATION **(Required, Key)**	The opeation for which this RTW configuration is used. [**String (36)**]
RESRCE	Resource used for yield/NC collection information. [**String (36)**]
RTW_NAME **(Required, Key)**	The Real-Time Warning name (ID). [**String (20)**]
MESSAGE_TYPE_BO	The message to send when this real-time warning is triggered. [**HANDLE**]
ENABLED	"true" of this warning is enabled. [**BOOLEAN**]
DESCRIPTION	The description of this warning. [**String (40)**]
ALARM_SENT_COUNTER_RESET	If true, resource/operation on hold will be released when alarm is being sent. [**BOOLEAN**]
EVENT_LOG_COUNTER_RESET	If true, resource/operation on hold will be released when event log is cleared. [**BOOLEAN**]
PRODUCTION_SHIFT_COUNTER_RESET	If true, resource/operation on hold will be released when production shift changes. [**BOOLEAN**]
CREATED_DATE_TIME	The date/time that this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time that this record was modified. [**DATE_TIME**]

RTW_CONFIG_VALUES

Defines the specific parameters for a real time warning definition (e.g. Consecutive failure count).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
RTW_CONFIG_BO **(Required, Key)**	The parent RTWConfigBO that this value is associated with. [**HANDLE**]
NAME **(Required, Key)**	The name of the value (e.g. CONSEC_FAILURES). [**String (20)**]
VALUE	The value of the parameter (usually a number). [**String (50)**]
DESCRIPTION	The description of this value. [**String (40)**]

RTW_CONSEC_FAILURE

Keeps track of consecutive identical failures for the item/operation/resource. This is used as a cache of recent history to speed processing.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site for which this object is defined. [**String (6)**]
RESRCE_BO	The resource for which the failures are being tracked. [**HANDLE**]
ITEM_BO	The item for which the failures are being tracked. [**HANDLE**]
OPERATION_BO	The operation for which the failures are being tracked. [**HANDLE**]
FAILURE_ID	The Failure ID returned for the NC. Normally returned from a tester. [**String (40)**]
FAILURE_ID_COUNT	Current count of Failure ID's that have been consecutivley failed. [**INTEGER**]

COLUMN	Description/Default
NC_CODE_BO	The NCCode assigned to the FAILURE_ID. [**HANDLE**]
DATE_TIME	The date/time this record was created.

RTW_CONSEC_NC_CONFIG_VALUES

This table lists the NC Codes/Groups that are part of the Real Time warnings configuation for Non-Conformances.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
RTW_CONFIG_BO **(Required, Key)**	The parent RTWConfigBO that this child record is associated with. [**HANDLE**]
SEQUENCE **(Required, Key)**	The order the NC Code/Group was displayed in the maintenance GUI. [**INTEGER**]
NC_OR_GROUP_GBO	The NC Code or NC Group to which this RTW configuration applies to. [**HANDLE**] [**NCCodeBO, NCGroupBO**]
MESSAGE_TYPE_BO	The message to send when this RTW warning is triggered. [**HANDLE**]
COUNT	The number of consecutive NCs to trigger a warning after. [**INTEGER**]

RTW_DEFECT_RATE

This object contains the current defect rate information needed for the Defect Rate real time warning. It is used to keep a short history of the defect information for speed.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The site this defect info is stored for. [**String (6)**]
RESRCE_BO	The resource for which this defect info is stored. [**HANDLE**]
ITEM_BO	The resource for which this defect info is stored. [**HANDLE**]
OPERATION_BO	The resource for which this defect info is stored. [**HANDLE**]
PASS_COUNT	Current count of passes within the sample. [**INTEGER**]
FAIL_COUNT	Current count of failures within the sample. [**INTEGER**]
DATE_TIME	Date and Time when this record was created.
SFC_START_DATE_TIME	The time when first SFC passed or failed after the yield counter reset. Entries in this field will be done during the runtime. [**DATE_TIME**]

SAMPLE_PLAN

This object defines a sampling plan used on the shop floor. Sample plans are used to select random samples from production for additional testing to ensure quality.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site this sample plan is defined for. [**String (6)**]
SAMPLE_PLAN_TYPE	The type of sample plan this is. Valid values include: § **ANSI (A)** – This sample plan is a standard ANSI sample plan. § **Custom (C)** – This sample plan uses custom sample sizes and accept/reject values. [**String (20)**]
SAMPLE_PLAN	The sample plan ID for this plan. [**String (40)**]
REVISION	The revision (version) of this sample plan. [**String (20)**]

COLUMN	Description/Default
CURRENT_REVISION	If 'true', this revision is the current revision. [**BOOLEAN**]
DESCRIPTION	The description of this sample plan. [**String (40)**]
STATUS_BO	The status of this sample plan. [**HANDLE**]
ROUTER_BO	The sampling test router the sample SFCs will be sent to when sampling is triggered. [**HANDLE**]
REJECT_MESSAGE_TYPE_BO	This is the message that is sent when the sample is triggered. [**HANDLE**]
NC_SEVERITY_THRESHOLD	This is used to determine if the sampled SFC is rejected or not. Once the NC Severities for all NC Codes logged against SFC exceeds this value, the SFC is considered 'rejected'. [**INTEGER**]
MIXED_MATERIAL	If 'true', then materials (items) may be mixed within one sample group. [**BOOLEAN**]
RMA_DISTINCT_GROUP	If 'true', this any RMA SFCs will be added a separate group. This keeps RMA SFCs out of the normal production sampling groups. [**BOOLEAN**]
FIRST_TIME_STEP	If 'true', then SFCs will be added to the sampling group only if the SFC is being processed at this step for the first time. [**BOOLEAN**]
ALLOW_SKIP	If 'true', then the user may choose to skip sampling. [**BOOLEAN**]
SKIP_MESSAGE_TYPE_BO	This is the message that is sent when a user chooses to skip sampling. [**HANDLE**]
SFC_GROUP_SIZE	The size of the SFC group (number of pieces). [**INTEGER**]
ANSI_SAMPLE_PLAN_BO	If this is an ANSI sample plan, then this is the specific plan to be used. These are pre-defined ANSI definitions that specify details such as accept and reject values. [**HANDLE**]
ANSI_ACCEPTANCE_PARAMETER_BO	If this is an ANSI sample plan, then this field points to the specific Acceptance Quality Limit chosen by the user. This includes the normal/reduced/tightened sampling definitions. [**HANDLE**]
TIGHTENED_MESSAGE_TYPE_BO	The message triggered when the inspection procedure value is changed by the user from Normal or Reduced to Tightened. [**HANDLE**]
INSPECTION_MESSAGE_TYPE_BO	The message that will triggered when the inspection procedure value is changed by the user. [**HANDLE**]

COLUMN	Description/Default
SAMPLE_BY	This determines how custom plans will calculate the sample size. Valid values include: § **Fixed Number (N)** – The sample plan always samples a fixed number of pieces from the sample group. § **Fixed Percentage (P)** – The sample plan samples a percentage of pieces from the sample group.. [**String (1)**]
FIXED_NUMBER	If SAMPLE_BY='N', then this is the number of pieces to sample from the group. [**INTEGER**]
ACCEPT_NUMBER	For custom plans, this determines the minimum number of 'accepted' pieces that are needed for the group to be accepted as a whole. [**INTEGER**]
REJECT_NUMBER	For custom plans, this determines the minimum number of 'rejected' pieces that are needed for the group to be rejected as a whole. [**INTEGER**]
FIXED_PERCENTAGE	If SAMPLE_BY='P', then this is the percentage of the total group to sample. [**INTEGER**]
EFF_START_DATE	Unused in this release.
EFF_END_DATE	Unused in this release.
SAMPLE_SIZE	The size of the sample group to pull sampled pieces from (SFC Group Size). [**INTEGER**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]

SAMPLE_PLAN_MASTER

A Sample Plan is revision (version) controlled object. This master table is needed for revisionable objects.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the sample plan revision family. [**String (6)**]
SAMPLE_PLAN **(Required, Key)**	The name/id of the sample plan revision family. [**String (40)**]
SAMPLE_PLAN_TYPE **(Required, Key)**	The sample plan type. [**String (1)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the sample plan revision family. [**String (1)**]

SAMPLE_PLAN_SNAPSHOT

This is a copy of the important details of the sample plan needed for SFC group formation and manipulation. This is copied at SFC group formation to allow the sample plan changes after group creation.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SEQUENCE (**Required, Key**)	A unique ID for this snapshot of the sample plan. [**INTEGER**]
SAMPLE_PLAN_NAME	The sample plan ID for this plan. [**String (40)**]
SAMPLE_PLAN_REVISION	The revision (version) of this sample plan. [**String (20)**]
ROUTER_BO	The sampling test router the sample SFCs will be sent to when sampling is triggered. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_REVISION, ROUTER_TYPE**)
REJECT_MESSAGE_TYPE_BO	This is the message that is sent when the sample is triggered. [**HANDLE**] (Expanded Archive Columns: **REJECT_MESSAGE_TYPE_SITE, REJECT_MESSAGE_TYPE_MESSAGE_T**)
NC_SEVERITY_THRESHOLD	This is used to determine if the sampled SFC is rejected or not. Once the NC Severities for all NC Codes logged against SFC exceeds this value, the SFC is considered 'rejected'. [**INTEGER**]

COLUMN	Description/Default
MIXED_MATERIAL	If 'true', then materials (items) may be mixed within one sample group. [**BOOLEAN**]
RMA_DISTINCT_GROUP	If 'true', this any RMA SFCs will be added a separate group. This keeps RMA SFCs out of the normal production sampling groups. [**BOOLEAN**]
FIRST_TIME_STEP	If 'true', then SFCs will be added to the sampling group only if the SFC is being processed at this step for the first time. [**BOOLEAN**]
ALLOW_SKIP	If 'true', then the user may choose to skip sampling. [**BOOLEAN**]
SKIP_MESSAGE_TYPE_BO	This is the message that is sent when a user chooses to skip sampling. [**HANDLE**] (Expanded Archive Columns: **SKIP_MESSAGE_TYPE_SITE, SKIP_MESSAGE_TYPE_MESSAGE_T**)
SFC_GROUP_SIZE	The size of the SFC group (number of pieces). [**INTEGER**]
SAMPLE_SIZE	The size of the sample group to pull sampled pieces from (SFC Group Size). [**INTEGER**]
ACCEPT_NUMBER	This is the minimum number of 'accepted' pieces that are needed for the group to be accepted as a whole. [**INTEGER**]
REJECT_NUMBER	This is the minimum number of 'rejected' pieces that are needed for the group to be rejected as a whole. [**INTEGER**]

SAMPLING_GROUP

This is the specific group of SFCs that make up a sample group. Sample SFCs are taken from this group and inspected. If they pass inspection, then the whole group is released for future processing.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The Site for the sample group. [**String (6)**]

COLUMN	Description/Default
SEQUENCE (**Required, Key**)	A unique ID for that identifies this sample group of SFCs. [**INTEGER**]
SAMPLE_PLAN_SNAPSHOT_BO	The snapshot of the sample plan details that is used to create and process this sample group. [**HANDLE**]
STATUS	The current status of this group. Valid values include: § **Created (C)** – The group is created, but not full yet. § **Active (S)** – The group is full and the sample SFCs have been sent for inspection. § **Accepted (A)** – The group has been fully accepted (the inspection has been finished). § **Rejected (R)** – The inspection has been completed and the group has been rejected. § **Skipped (P)** – The sampling was skipped by the operator. § **Dissolved (D)** – The group was dissolved for other reasons. [**String (1)**]
RMA	If 'true', then this group contains RMA SFCs. [**BOOLEAN**]
ITEM_BO	This group contains SFCs with this item (only valid if not using mixed materials). [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
OPERATION_BO	The operation this group was sampled from. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
RESOURCE_BO	The resource this group was sampled at. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESRCE**)
MODIFED_BY_USER_BO	The user who last modified this group. [**HANDLE**]
SHOP_ORDER_BO	For inspection lots, this is the shop order that make up the sample. [**HANDLE**]
GROUP_SIZE	The total group size of this sample group. [**INTEGER**]
DC_GROUP_BO	The DC Group this sampling group was created for. [**Handle**]
BLOCK_ORDER	If 'true', then this group can block the order from completion until all inspections are completed. [**Boolean**]

COLUMN	Description/Default
ERP_SENT	If 'true', then this group's data has been sent to ERP (if needed). [**Boolean**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

SAMPLING_GROUP_SFC

This table contains the SFCs that make up a specific sampling group. This is a child table of the SAMPLING_GROUP table.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SAMPLING_GROUP_BO **(Required, Key)**	The parent Sampling Group that this SFC belongs to. [**HANDLE**]
SFC_BO (**Required, Key**)	The SFC that is a member of this group. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
ORIGINAL_ROUTER_BO	The original router this SFC was sampled from. [**HANDLE**] (Expanded Archive Columns: **ORIGINAL_ROUTER_SITE, ORIGINAL_ROUTER, ORIGINAL_ROUTER_REVISION, ORIGINAL_ROUTER_TYPE**)
ORIGINAL_OPERATION_BO	The original operation this SFC was sampled from. [**HANDLE**] (Expanded Archive Columns: **ORIGINAL_OPERATION_SITE, ORIGINAL_OPERATION, ORIGINAL_OPERATION_REVISION**)
ORIGINAL_RESOURCE_BO	The resource this group was sampled from. [**HANDLE**]
ORIGINAL_STEP_ID	The original step this SFC was sampled from. [**String(6)**]
SAMPLE	If 'true', then this SFC was chosen for sampling (inspection). [**BOOLEAN**]
REJECT	If 'true', then this SFC was chosen for sampling (inspection) and was rejected. [**BOOLEAN**]

COLUMN	Description/Default
QTY	The number of pieces sampled for this SFC. [**QTY**]
QTY_REJECTED	The number of pieces rejected on this SFC. [**QTY**]
START_SAMPLING_DATE	The date/time this SFC was sampled. [**DATE_TIME**]
ERP_INSPECTION_UNIT_ID	If this sampling group was triggered by an ERP inspection lot definition, then this is the ID for the inspection lot for this SFC. [**String(18)**]

SCHEDULE_STANDARD

Captures the scheduling standards that can be assigned at the operation, router and item levels.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for this record. [**String (6)**]
STANDARDS_SOURCE **(Required, Key)**	The level at which this scheduling standard is defined. Valid values include: § **Operation (O)** - Operation level. § **Router (R)** - Router level. § **Material (I)** – Material (Item) level. § **Material-Routing (U)** – Defined for specific item and routing steps. § **Material-Operations (M)** – Defines for a specific material. [**String (1)**]
SOURCE_GBO **(Required, Key)**	The source reference for which this scheduling standard is defined. [**HANDLE**] [**OperationBO, RouterBO, ItemBO**]
ROUTER_BO **(Required, Key)**	The router this scheduling source is associated with. [**HANDLE**]

COLUMN	Description/Default
DISPLAY_SOURCE	The level at which this scheduling standard is displayed. Used only with Material-Operations sources. Valid values include: § **Operation (O)** - Operation level. § **Router (R)** - Router level. [**String (1)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

SCHEDULE_STANDARD_DETAIL

Captures schedule standard details for a given operation or step.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SCHEDULE_STANDARD_BO **(Required, Key)**	The handle reference to the parent scheduling standard. [**HANDLE**]
OPERATION **(Required, Key)**	At the operation level, this is a duplicate of the operation specified by OperationBo defined in SCHEDULE_STANDARD.SOURCE_GBO. At the router/step level, operation is defined as * (any operation). At the item/operation level, operation defines operation associated with this item. [**String (36)**]
STEP_ID **(Required, Key)**	At the operation level, STEP_ID is defined as * (any step). At the router/step level, STEP_ID defines step on router. At the item/operation level, STEP_ID is defined as * (any step). [**String (6)**]
PRODUCTION_RATE_QTY	Quantity produced for time defined by PRODUCTION_RATE_TIME. [**QTY**]
PRODUCTION_RATE_TIME	Amount of time to produce PRODUCTION_RATE_QTY. [**QTY**]

COLUMN	Description/Default
PRODUCTION_RATE_TIME_UNITS	Time Units for Production Rate Time. Valid values include: § **Hours (H)** - Time in hours. § **Minutes (M)** - Time in minutes. § **Seconds (S)** - Time in seconds. [**String (1)**]
PLANNED_YIELD	Percentage of yield planned. [**QTY**]
SETUP_TIME	Time to setup a resource. [**QTY**]
SETUP_TIME_UNITS	Time Units for Setup Time. Valid values include: § **Hours (H)** - Time in hours. § **Minutes (M)** - Time in minutes. § **Seconds (S)** - Time in seconds. [**String (1)**]
WAIT_TIME	Wait time between operations. [**QTY**]
WAIT_TIME_UNITS	Time Units for Wait Time. Valid values include: § **Hours (H)** - Time in hours. § **Minutes (M)** - Time in minutes. § **Seconds (S)** - Time in seconds. [**String (1)**]
STANDARD_CYCLE_RATE	Total time for one SFC at an operation. Store only manually entered value. [**QTY**]
STANDARD_CYCLE_RATE_TIME_UNITS	Time Units for Standard Cycle Rate Time. Valid values include: § **Hours (H)** - Time in hours. § **Minutes (M)** - Time in minutes. § **Seconds (S)** - Time in seconds. [**String (1)**]
STANDARD_CYCLE_RATE_MODE	Determines whether Standard Cycle Rate is calculated or entered manually at Item/Operation. Not Used. Valid values include: § **Calculated (C)** - Rate calculated. § **Manual (M)** - Rate manually entered. [**String (1)**]
STANDARD_VALUE_KEY_BO	This is the standard value key that this scheduling standard should be used with. This is used primarily to categorize labor time for use with ERP. [**HANDLE**]

COLUMN	Description/Default
ELAPSED_TIME_ONE	The elapsed time for this standard assigned to category one (units defined below). [**QTY**]
ELAPSED_TIME_TWO	The elapsed time for this standard assigned to category two (units defined below). [**QTY**]
ELAPSED_TIME_THREE	The elapsed time for this standard assigned to category three (units defined below). [**QTY**]
ELAPSED_TIME_FOUR	The elapsed time for this standard assigned to category four (units defined below). [**QTY**]
ELAPSED_TIME_FIVE	The elapsed time for this standard assigned to category five (units defined below). [**QTY**]
ELAPSED_TIME_SIX	The elapsed time for this standard assigned to category six (units defined below). [**QTY**]
ELAPSED_TIME_UNITS_ONE	Time Units for ELAPSED_TIME_ONE. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
ELAPSED_TIME_UNITS_TWO	Time Units for ELAPSED_TIME_TWO. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
ELAPSED_TIME_UNITS_THREE	Time Units for ELAPSED_TIME_THREE. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
ELAPSED_TIME_UNITS_FOUR	Time Units for ELAPSED_TIME_FOUR. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
ELAPSED_TIME_UNITS_FIVE	Time Units for ELAPSED_TIME_FIVE. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
ELAPSED_TIME_UNITS_SIX	Time Units for ELAPSED_TIME_SIX. See PRODUCTION_RATE_TIME_UNITS for valid values. [**String (1)**]
SUBSTEP	The substep name of the retrieved routing. For material-routing standards source, defines a substep name value that is associated with the item (material) and routing. For all other standards sources, the substep name is defined as * (any substep). [**String (36)**]

COLUMN	Description/Default
SUBSTEP_ID	The substep ID of the retrieved routing. For material-routing standards source, defines a substep ID value that is associated with this item (material) and routing. For all other standards sources, substep ID is defined as * (any substep ID). [**String (6)**]
IS_ERP	Indicates that the planned production values are authored in SAP ERP (true/false). [**String (5)**]

SCRIPT

A generic scripting object. It receives an input data object and returns an object from the script (or null). The scripting engine is not configurable in this release.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SCRIPT_ID **(Required, Key)**	A unique script ID. If this is an embedded script (e.g. associated with a router link or other object), then this will be the string "(EMBEDDED)". [**String (16)**]
SCRIPT_TYPE	Defines the type of script. Valid values include: § **Embedded (E)** - The script is an embedded script (normally with a Router Step). § **Standard - Router Step (R)** - The script is a pre-defined standard script that is meant to be used with a router step decision. [**String (1)**]
SCRIPT_CONTEXT_GBO	The object this script is associated with (if it is embedded). Will be the string "(NONE)" if nor an embedded script. [**HANDLE**]
SEQUENCE **(Required, Key)**	A unique identifier to allow a context to have multiple scripts associated with it. [**INTEGER**]
DESCRIPTION	The script description (not used for embedded scripts). [**String (40)**]
SCRIPT	The actual script text. [**CLOB**]

COLUMN	Description/Default
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SERVICE_CONFIGURATION

This business object defines a service configuration that is used to create service instances.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
MODULE_ID	The module ID for this service. [**String (100)**]
SERVICE_NAME	The service name. [**String (100)**]
PARENT_REF	The reference to Parent. [**String(256)**]
CONFIGURATION	The configuration settings for this service (xml format). [**CLOB**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SET_POINT_GROUP

Defines a group of machine set point values. Set points are specific settings in shop-floor machinery that configure how the machine is to operate.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**Handle**]
SITE **(Required, Key)**	The site this object is defined for. [**String (6)**]
SET_POINT_GROUP **(Required, Key)**	The set point group's name. [**String (25)**]
EFF_START_DATE_STR **(Required, Key)**	The EFF_START_DATE as a string. [**String (20)**]
EFF_START_DATE	The date/time this record is effective from. [**Date/Time**]
EFF_END_DATE	The date/time this record is effective to. [**Date/Time**]
STATUS_BO	The group's status. [**Handle**]
DESCRIPTION	The group's description. [**String (40)**]
USED_IN_PRODUCTION	The flag to indicate that the Set Point Group has been used in production. [**Boolean**]
COPIED_FROM	The original set point group used to create this record. [**Handle**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**Date/Time**]
CREATED_DATE_TIME	The date/time this record was created. [**Date/Time**]

SET_POINT_GROUP_LOG

This is a log of the machine interactions with the set point group involved. This includes when requests for a set point group is received for a machine (resource).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**Handle**]
SITE	The site this object is defined for. [**String (6)**]
SET_POINT_GROUP_BO	The set point group this entry was logged for. [**Handle**]
LOG_ID	The unique ID for the log entry. [**String (20)**]
USER_BO	The user that made this request. [**Handle**]
DATE_TIME	The date/time this record was logged. [**Date/Time**]
RESRCE	The resource (machine) this request was for. [**String(36)**]
OPERATION	The operation this request was made at. [**String(36)**]
SUBSTEP	The substep this request was made at. [**String(36)**]
ITEM	The item this request was made for. [**String(128)**]
IDENTIFIER	The SFC (or other object) this request was made for. [**String(36)**]
ERROR_CODE	Any error returned by the machine. [**Integer**]
ERROR_PARAMS	The error parameters returned by the machine. [**String(2000)**]

SET_POINT_PARAMETER

Defines the individual parameters/values for the group. Set points are specific settings in shop-floor machinery that configure how the machine is to operate.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**Handle**]
SET_POINT_GROUP_BO	The set point group. [**Handle**]
SET_POINT_PARAMETER	The specific parameter. [**String (30)**]
SEQUENCE	The sequence this parameter should be displayed in. [**Integer**]
DESCRIPTION	The set point parameter's description. [**String (40)**]
DATA_TYPE	The type of parameter value. Valid values include: § **Numeric (N)** - The parameter is a number. § **String (S)** – The parameter is a string. [**String (1)**]
SET_POINT_STRING_VALUE	The parameter's value (as a string). [**String(256)**]
SET_POINT_NUMERIC_VALUE	The parameter's value (as a number). [**Number**]
LOWER_LIMIT_VALUE	The parameter's lowest legal value (number). [**Number**]
UPPER_LIMIT_VALUE	The parameter's highest legal value (number). [**Number**]
SET_POINT_TARGET_ADDRESS	The destination address within the target (machine) this parameter is defined for. [**String(128)**]
LOWER_LIMIT_TARGET_ADDRESS	The destination address within the target (machine) this parameter's lower limit is defined for. [**String(128)**]
UPPER_LIMIT_TARGET_ADDRESS	The destination address within the target (machine) this parameter's upper limit is defined for. [**String(128)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**Date/Time**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**Date/Time**]

SFC

This business object defines the main object for SAP ME's SFC object. It encapsulates the high-level properties of the SFC and a list of previous IDs that this SFC was known by.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site this SFC is currently processing in. [**String (6)**]
SFC **(Required, Key)**	The SFC. [**String (128)**]
STATUS_BO	The SFC's Status (from SFC Status Group). [**HANDLE**] (Expanded Archive Columns: **STATUS_SITE, STATUS**)
ORIGINAL_STATUS_BO	The SFC's status before this SFC was deleted/scrapped. Used only for undelete and unscrapping functions. [**HANDLE**] (Expanded Archive Columns: **ORIGINAL_STATUS_SITE, ORIGINAL_STATUS**)
PRIORITY	The priority assigned to this SFC. Controls order in which this SFC should be worked relative to other SFCs (Higher value = Higher Priority). [**INTEGER**]
ITEM_BO	The item being built. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
QTY	The SFC's qty to build.
QTY_SCRAPPED	The SFC's qty scrapped. [**QTY**]
QTY_DONE	The number of pieces that have been completed off the final router for the SFC. [**QTY**]

COLUMN	Description/Default
QTY_HISTORICAL_MIN	The historical minimum number of pieces (QTY) that this SFC has ever be defined to build. This is set when the SFC Quantity Adjust action is used. [**QTY**]
QTY_HISTORICAL_MAX	The historical maximum number of pieces (QTY) that this SFC has ever be defined to build. This is set when the SFC Quantity Adjust action is used. [**QTY**]
ACTUAL_COMP_DATE	The date/time this SFC was really completed. [**DATE_TIME**]
ID	The ID that this SFC is known by (may not be unique in all cases). [**String (128)**]
LOCATION	If this SFC was originally part of a panel (lot), then this is the location on the panel that this SFC came from. This is populated during the serialization (split) process. [**String (20)**]
LCC_BO	The labor charge code for this SFC. [**HANDLE**] (Expanded Archive Columns: **LCC_SITE, LCC_LABOR_CHARGE_CODE**)
QTY_MULT_PERFORMED	If true, then the QTY was already multipled by the SFC Qty multiple activity. [**BOOLEAN**]
RMA_MAX_TIMES_PROCESSED	The number of times this SFC has been processed on an RMA. [**INTEGER**]
SHOP_ORDER_BO	The shop order for this SFC. It is copied here from the SHOP_ORDER_SFC table to make reports simpler. [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_SITE, SHOP_ORDER**)
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
IMMEDIATE_ARCHIVE	Set to "true" upon transfer so that archiving will know to archive right away instead of according to the number of days rule. NOTE: This column is added only to the SFC table in the source Site. [**BOOLEAN**] (Expanded Archive Columns: **IMMEDIATE_ARCHIVE**)
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)

COLUMN	Description/Default
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)
TRANSFER_DATETIME	Date the most recent transfer took place. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**DATE_TIME**] (Expanded Archive Columns: **TRANSFER_DATETIME**)
TRANSFER_USER	Id of user who triggered transfer. For reference only. No validation done in destination site. NOTE: This column is added only to the SFC table. NOTE: This is only written to the source SFC. It has no meaning in the destination site until the SFC is transferred again. [**String (30)**] (Expanded Archive Columns: **TRANSFER_USER**)
SN_DONE	If true, then this SFC has been serialized (relabled or serialized). [**BOOLEAN**]
AIN_EQUIPMENT_ID	its Equipment ID associated with SFC is created in SAP AIN [**String (32)**]

SFC_ASSY

This business object defines the components that have already been assembled for a specific BOM component. This includes sub-objects that record specific assembly data such as SFC, Serial Number or Lot ID.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SFC_BOM_BO **(Required, Key)**	The SFCBOMBO that this assembled component was installed for. [**HANDLE**]
SITE	The site for the SFC. [**String (6)**]

COLUMN	Description/Default
ASSY_ID **(Required, Key)**	A unique identifier for this particular assembled quantity (component). Used for the removal of specific components. [**SEQUENCE**]
COMPONENT_BO **(Required, Key)**	The component actually assembled (may be different from the planned component). Reference to an ItemBO. [**ItemBO**] [**HANDLE**] (Expanded Archive Columns: **COMPONENT_SITE, COMPONENT_ITEM, COMPONENT_REVISION**)
BOM_COMPONENT_GBO	The component that is required by the BOM (may be different from the actual component due to alternates). Reference to an ItemBO or ComponentGroupBO. [**HANDLE**] [**ItemBO, ComponentGroupBO**]
ASSEMBLED_BY_BO	The user that assembled the component (reference to a UserBO). [**UserBO**] [**HANDLE**] (Expanded Archive Columns: **ASSEMBLED_BY_SITE, ASSEMBLED_BY_USER_ID**)
ASSEMBLED_DATE	The date/time the component was assembled. [**DATE_TIME**]
QTY	The quantity assembled.
EXCESS	If true, then the component was added when the original BOM listed it as a requirement. Later, the SFC's BOM was changed to a new BOM and this component was not on the new BOM. [**BOOLEAN**]
ASSY_STATE	Indicates the state of this assembly record. This is only populated for Time-bsed components. Valid values include: § **Uncertain (U)** - Component was assembled via Time-Based resource, but other lots may have been assembled too. § **Active (A)** - The component is currently assembled. [**String (1)**]
TIME_BASED	If "true", then this component was assembled via a Time-Based resource. [**BOOLEAN**]
REMOVED	If true, this component was removed. [**BOOLEAN**]
REMOVED_DATE	The date/time the component was removed (if it was removed). [**DATE_TIME**]
REMOVED_BY_BO	The user that removed the component (reference to a UserBO). [**UserBO**] [**HANDLE**] (Expanded Archive Columns: **REMOVED_BY_SITE, REMOVED_BY_USER_ID**)

COLUMN	Description/Default
REMOVED_OPERATION_BO	The operation at which the component was removed. [**HANDLE**] (Expanded Archive Columns: **REMOVED_OPERATION_SITE, REMOVED_OPERATION, REMOVED_OPERATION_REVISION**)
REMOVED_RESOURCE_BO	The resource at which the component was removed. [**HANDLE**] (Expanded Archive Columns: **REMOVED_RESOURCE_SITE, REMOVED_RESOURCE**)
INVENTORY_BO	The inventory unit used to fill the BOM requirements (may be blank if requirement was not filled from inventory). [**HANDLE**] (Expanded Archive Columns: **INVENTORY_SITE, INVENTORY_ID**)
OPERATION_BO	The operation at which the component was assembled. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
RESOURCE_BO	The resource at which the component was assembled. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESRCE**)
ROUTER_BO	The router that the operation was on when the component was assembled. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_TYPE, ROUTER_REVISION**)
STEP_ID	The step for operation. [**String (6)**]
SUBSTEP_ID	The substep the assembly took place at. [**String (6)**]
REF_DES	The reference designator at which this component was assembled. [**String (36)**]
FEEDER	The feeder this component was fed from. [**String (36)**]
LOCATION	The panel location this component was assembled at. [**String (20)**]
ASSY_DATA_TYPE_BO	The type of assembly data that was collected for this component. [**HANDLE**] (Expanded Archive Columns: **ASSY_DATA_TYPE_SITE, ASSY_DATA_TYPE**)
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]
BOM_BO	Captures the BOM reference at the time of assembly. [**HANDLE**] (Expanded Archive Columns: **BOM_SITE, BOM, BOM_TYPE, BOM_REVISION**)
ITEM_BO	Captures the item reference at the time of assembly. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)

COLUMN	Description/Default
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)
SHOP_ORDER_BO	Captures the shop order reference at the time of assembly. [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_SITE, SHOP_ORDER**)
PLANNED	If true, then the component is considered planned. This means it was automatically added as part of the shop order release process. [**BOOLEAN**]
CONFIRMED	If true, then the component added is confirmed, else false. [**BOOLEAN**]
CONFIRMED_DATE	The date/time this assembly record was confirmed. [**DATE_TIME**]
CONFIRMED_BY_BO	The user who confirmed this assembly component record. [**HANDLE**] (Expanded Archive Columns: **CONFIRMED_BY_SITE, CONFIRMED_BY_USER_ID**)
CONFIRMED_OPERATION_BO	The operation at which this assembly component record was confirmed. [**HANDLE**] (Expanded Archive Columns: **CONFIRMED_OPERATION_SITE, CONFIRMED_OPERATION, CONFIRMED_OPERATION_REVISION**)
ERP_ASSY_SENT	If true, then the component has been sent to ERP. [**BOOLEAN**]
TXN_ID	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database transaction for reporting purposes. [**String (50)**]

SFC_ASSY_DATA

This business object defines specific component details for the component that was actually assembled onto an SFC. The rows that this object may contain depends on the AssyDataTypeBO from the parent SFCAssyBO object. This table normally contains the SFC, Serial Number or Lot ID for the component(s) assembled. This object may have other rows as needed for custom data collected.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
SFC_ASSY_BO **(Required, Key)**	The parent SFCAssyBO object. [**HANDLE**]
DATA_FIELD	The data field (e.g. SFC, Lot, Vendor, etc.). [**String (60)**]
DATA_ATTR	The value of the data (may be a string representation of a handle). [**String (1024)**]
SEQUENCE **(Required, Key)**	A unique sequence number (used to build a unique handle for this object). [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

SFC_ASSY_LOCATION

This is a Location where this component has been assembled.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [HANDLE]
SFCASSY_BO **(Required, Key)**	The parent component associated with this location. [**HANDLE**]
LOCATION **(Required, Key)**	The location at which the component was assembled. [**String (20)**]
DESCRIPTION	The location's description. [**String (40)**]

SFC_BOM

This business object defines the components that should be assembled into an SFC and the list of specific components already assembled. This object provides events that allow client objects to add components, remove components, get a list of missing components and perform other component-related actions on the SFC.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [HANDLE]
SFC_BO **(Required, Key)**	The SFC [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
BOM_BO	The BOM definition used by this SFC. (Note: this BOMBO is a shoporder- or SFC-specific BOM that was created at release time). [**HANDLE**] (Expanded Archive Columns: **BOM_SITE, BOM, BOM_TYPE, BOM_REVISION**)
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]
ORIGINAL_TRANSFER_KEY	The record handle from the original site. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. ** On first transfer, this value is filled in on the source site as well as the destination with the value from the original HANDLE column. On later transfers, no modifications are done to this field - it retains the value originally set. [**String (412)**] (Expanded Archive Columns: **ORIGINAL_TRANSFER_KEY**)
PREV_SITE	Name of the site that this record was transferred from. Note: this is not the original site, just the one most recently transferred from. Null or blank if no transfer has occurred. Only filled in when SFC Transfer takes place. Filled in only on destination site record. Only filled in on records actually transferred. [**String (6)**] (Expanded Archive Columns: **PREV_SITE**)

SFC_DATA

Defines custom data values for an SFC.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SFC_BO	The SFC this data was collected for. [**HANDLE**]
DATA_FIELD	The name of the custom data field. [**String (60)**]
DATA_ATTR	The value entered by the user. [**String (1024)**]
USER_BO	The user that collected this data. [**HANDLE**]
DATE_TIME	The date/time this record was collected. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SFC_ID_HISTORY

This business object defines the history of an SFC's identifiers (SFC number). This is used to keep record of how this SFC was tracked over time.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
SFC_BO **(Required, Key)**	The current SFC's handle. [**HANDLE**]
SFC	The previous SFC ID. (If an SFC is serialized, then this field will contain the Lot SFC). [**String (128)**]
DATE_TIME	The date/time this ID was superceded.

COLUMN	Description/Default
REASON	The reason this SFC was superceded (the Activity that initiated the change). Valid values include: § **Release (R)** - ID Created due to a release. § **Serialize (S)** - ID Created due to a serialization. § **Split (P)** - ID Created due to a split. § **Auto-Split (A)** – ID Created due to a split during an Auto-Split action. Typically triggered by the NC Data Entry/Disposition process. § **Merge (M)** – ID was for an SFC that has been merged into this SFC. § **Reconfig (R)** – ID was for an SFC that has been reconfigured with the Change Configuration Action. [**String (1)**]
SEQUENCE **(Required, Key)**	The unique sequence (indicates the order the IDs were used). [**INTEGER**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SFC_IN_WORK

This business object tracks the pieces that are actively in work by a user, crew or resource at a particular step.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SFC_STEP_BO **(Required, Key)**	The parent object's handle. [**HANDLE**]
OWNER_GBO **(Required, Key)**	The user/crew/resource that is currently working this SFC. [**HANDLE**] [**UserBO, ResourceBO**]
USER_BO	The user who started this SFC. [**HANDLE**]
RESOURCE_BO	The resource at which this SFC (or portion) is in work. [**HANDLE**]

COLUMN	Description/Default
WORK_CENTER_BO	The work center at which this SFC is work. [**HANDLE**]
DATE_STARTED	The date/time this SFC (or portion) was started. [**DATE_TIME**]
QTY_IN_WORK	The quantity in work by this owner. [**QTY**]
PAUSED	True if this work is paused. (Unused in this release). [**BOOLEAN**]
REWORK	True if this is in work as rework. [**BOOLEAN**]

SFC_LOCATION

Defines location on the SFC when a single piece is. This is used for non-serialized SFCs (lots) to track portions of the SFC.

Archived: Yes

Audit Logged: No

Site-To-Site: Yes

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SFC_BO **(Required, Key)**	The Parent SFC for which this location is defined. This is the lot (panel) in which this piece is located. [**HANDLE**]
PREVIOUS_SFC_BO **(Required, Key)**	The SFC this location was previously a part of (only populated by specific machine interfaces). [**HANDLE**]
LOCATION **(Required, Key)**	This is the location of the piece within the SFC. These locations are defined within the ItemBO. [**String (128)**]
SEQUENCE	Controls the ordering the Locations are processed (serialized or assigned serial numbers). [**INTEGER**]
SERIAL_NUMBER	The Serial Number for this location. When the parent SFC (lot) is serialized, this serial number will be used for the new SFC from this location. (Unused in this releae). [**String (20)**]

COLUMN	Description/Default
LOCATION_STATE	This defines the state of the location. Valid values include: § **Ready (R)** - The location is in use and ready to be serialized. § **Scrapped (S)** - The location has been scrapped. § **Hold (H)** - The location is on hold. § **Serialized (Z)** - The location has been serialized. [**String (1)**]
DESCRIPTION	The description of this location. [**String (40)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

SFC_NC_LIMIT

Captures the SFC override values for the maximum NC limit.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SFC_BO **(Required, Key)**	The SFC for which the limit is overriden. [**HANDLE**]
NC_CODE_BO **(Required, Key)**	The NC code for which the limit is overriden. [**HANDLE**] (Expanded Archive Columns: **NC_CODE_SITE, NC_CODE**)
MAX_NC_LIMIT	Overrides value specified in NC_CODE_DEF.MAX_NC_LIMIT for the specified SFC. [**INTEGER**]
USER_BO	The user that last modified this record. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

SFC_RECEIPT

This table provides the "holding cell" for SFCs that are transferred between sites for the purpose of Span Production scenario. SFCs placed in this table in the destination site will be converted to true SFCs via the SFC Receipt application.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. **[HANDLE]**
SITE	The site this SFC has been receipted into. [**String (6)**]
SFC_ID	The SFC's ID. [**String (128)**]
ITEM_BO	The Item for this SFC. [**HANDLE**]
INVENTORY_CONTEXT_GBO	The inventory Context for this SFC. [**HANDLE**]
DESCRIPTION	The description of this SFC. [**String (40)**]
WORK_CENTER	The work center planned for this SFC. [**String (36)**]
LOCATION	The location of this SFC (not the same as a Panel Location). [**String (256)**]
QTY_ON_HAND	The qty for this SFC. [**QTY**]
ASSY_DATA_TYPE_BO	The assembly data type associated with this SFC's item. [**HANDLE**]
USAGE_COUNT	Unused in this release. [**INTEGER**]
LAST_SITE	The last site this SFC was processed (built) at. [**String (6)**]
TRANSFER_TYPE	This field is used to define the transfer type for this record. The GUI will have the default of "S", but the bean logic should simply show this as a required field and set no defaults. It is an error if this value is not passed. At most one record can have type="N". Error if more than one is found. Valid values include: § SFC Consumption (C) - SFC Consumption § SFC Span Production (S) - SFC Span Production § No Transfer (N) - No Transfer [**String (1)**]

COLUMN	Description/Default
RECEIVE_REQ	This flag shows whether the data transferred must be received via SFC Receipt Application or not. [**BOOLEAN**]
MESSAGE_TYPE_BO	Defines the message sent when an error takes place upon receipt. [**HANDLE**]
PROCESS_LOT	The Process Lot this SFC was originally part of. [**String (128)**]
SHOP_ORDER	The Shop Order ID this SFC was originally part of. [**String (36)**]
BULK_DATA	Contains an XML representation of all data beyond that needed for "NO_SFC_DATA" transfers. [**LONG**]
MODIFIED_DATE_TIME	The date this record was last modified. [DATE_TIME]
CREATED_DATE_TIME	The date this record was last modified. [DATE_TIME]

SFC_ROUTER

This business object defines the basic router information for a single router used on to build an SFC. An SFC may have many of these routers, only one of which will be active at a time. If the SFC is in work at a special operation, then a special SFCRouterBO will be created for the special operation.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SFC_ROUTING_BO **(Required, Key)**	The parent objects handle. **[HANDLE]** [**HANDLE**]
SEQUENCE **(Required, Key)**	A sequence ID used to determine which routers were used in what order. [**INTEGER**]
IN_USE	If true, then this router is currently in use (SFC is in queue or active on this router). [**BOOLEAN**]
COMPLETED	If true, then this router has been completed for this SFC. [**BOOLEAN**]

COLUMN	Description/Default
QTY	The Qty to process on this router.
SUB_ROUTER	If true, then this router is used as a sub-router and will be merged back into the original router when completed. This is used to keep track of partial quantities that are non-conformed back on the original router. [**BOOLEAN**]
ROUTER_BO **(Required, Key)**	The router this SFCRouterBO object uses. This may be a RouterBO (Handle) with Router="*" and RouterRevison="*" for SFCs worked at a special operation. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_TYPE, ROUTER_REVISION**)
REWORKED_FROM_SFC_STEP_BO	The step from which this router was reworked. [**HANDLE**]
RETURN_TYPE	Defines how this sub-router should return to the previous router. This value is set whenever the SFC moves onto another router. (e.g. nested router steps, disposition routers or special operations). Valid values include: § **Normal (N)** - Return Type for Normal sub-routers (pulled or dispositioned routers from normal operations). § **Nested Router (R)** - Return Type for Nested Router (will return to a nested router step). [**String (1)**]
SUB_TYPE	Defines the router sub type. Valid values include: § **Dynamic Standard (D)** - Dynamic Standalone Router Type. § **Dynamic Non-standard (S)** - Dynamic Non-standard NC Router Type. [**String (1)**]

SFC_ROUTER_LOCATION

The location for one piece of the SFC that is being processed on a given SFCRouterBO.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SFCROUTER_BO **(Required, Key)**	The SFCRouter on which this piece is being processed. [**HANDLE**]
LOCATION **(Required, Key)**	The location at which the component was assembled. [**String (20)**]

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SFC_ROUTING

This business object defines the routing(s) used to build an SFC. This object provides events that allow client objects to move the SFC through the routing, switches to new routings, determines the status of a routing and changes the status of specific steps in the routing.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SFC_BO **(Required, Key)**	The SFC for which this routing is defined. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**] (Expanded Archive Columns: **CREATED_DATE_TIME**)
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**] (Expanded Archive Columns: **MODIFIED_DATE_TIME**)

SFC_STEP

This business object defines the step statuses for every step on this router. This entry is used to track the status of the SFC at each step on the router or for any special operations at which the SFC is worked.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

COLUMN	Description/Default
SFC_ROUTER_BO **(Required, Key)**	The parent objects handle [**HANDLE**]
OPERATION_BO	The operation that this SFC is to be worked or was already worked. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
STEP_ID **(Required, Key)**	The router step ID. (If this SFCStepBO is for a special operation, the ID will be the Operation). [**String (6)**]
DONE	If true, then the entire SFC has completed this operation. [**BOOLEAN**]
QTY_IN_QUEUE	The number of pieces in queue. [**QTY**]
QTY_IN_WORK	The number of pieces actively in work. [**QTY**]
QTY_COMPLETED	The number of pieces completed. [**QTY**]
QTY_REJECTED	The number of pieces rejected (had a buyoff rejected). [**QTY**]
QTY_COMPLETE_PENDING	The number of pieces completed, but not queued at the next step due to business log (e.g. Buyoff pending). [**QTY**]
BYPASSED	If true, then this step was bypassed. This step may be started at a later date, but it was bypassed for some reason (NC, etc.). [**BOOLEAN**]
USE_AS_REWORK	If true, then processing at this step is treated as rework (set on rework routers and when reworking to previous operations). [**BOOLEAN**]
LOCAL_REWORK	If true, then processing at this step is treated as rework for this pass. This value is set by some dispositions. [**BOOLEAN**]
MAX_LOOP	The number of times that this SFC can pass through this step as. 0 means no limit. [**INTEGER**]
TIMES_PROCESSED	The number of times this SFC has passed through this step. [**INTEGER**]
PREVIOUSLY_STARTED	Set to true if this step has been started once before. [**BOOLEAN**]
PREVIOUS_STEP_ID	The step completed before this one (used for controlling movement between work centers). This was the step that the in queue qty came from. [**String (6)**]

COLUMN	Description/Default
PREVIOUS_ACTION_ID	This is the ActionID of the previous NextStep Chosen. It is used to preliminary dispositions within a disposition routing. [**String (128)**]
DATE_QUEUED	The latest date/time that this SFC (or portion) was placed in queue here. [**DATE_TIME**]
STEP_SEQUENCE	The sequence this step is normally executed in (from ROUTER_STEP). [**SEQUENCE**]
RESOURCE_OR_CENTER_GBO	The resource or work center this SFC is in queue at for this step. [**HANDLE**] [**ResourceBO, WorkCenterBO**]
LAST_WORK_CENTER_BO	This is used to track the work center this step is to be processed in. [**HANDLE**] (Expanded Archive Columns: **LAST_WORK_CENTER_SITE, LAST_WORK_CENTER**)
FUTURE_HOLD_STATUS_BO	If not empty, this is a handle to the SFC status that is supposed to be placed on this SFC when the SFC is started at this step (a future hold). [**StatusBO**] [**HANDLE**] (Expanded Archive Columns: **FUTURE_HOLD_STATUS_SITE, FUTURE_HOLD_STATUS**)
FUTURE_HOLD_CONTEXT_GBO	The context that generated this future hold. [**HANDLE**] [**NCDataBO**]
MULTI_Q_SIGNOFF_NEEDED	If true, then the SFC will need to be placed back into queue at multiple steps if the SFC is signed off. [**BOOLEAN**]
PREVIOUS_RESOURCE_BO	The resource that the SFC was processed at for the previous step. [**HANDLE**] (Expanded Archive Columns: **PREVIOUS_RESOURCE_SITE, PREVIOUS_RESOURCE**)
REPORTING_CENTER_BO	The reporting work center associated with this router step. [**HANDLE**] (Expanded Archive Columns: **REPORTING_CENTER_SITE, REPORTING_CENTER**)
REPORTING_STEP	The reporting step ID used for ERP messages. [**String (36)**]
SCRAP_REPORTING_STEP	The reporting step ID used for ERP messages when reporting a Scrap action. [**String (36)**]

COLUMN	Description/Default
STATE	The state of this step. Used mainly for handling the unusual step types (step groups) and for queueing SFCs at multiple steps. Valid values include: § **Normal (N)** - Normal State (in queue, in work, not reached yet, etc) at single operation. § **Any Order Queued (A)** - Any Order step that has its qty in queue. § **Any Order Pulled (P)** - Any Order step that was in queue but had the qty pulled for another any order step. § **Any Order In Work (I)** - Any Order step that has its qty in work. § **Multi-queued (M)** - Normal step, but the SFC is queued at multiple steps. § Simultaneous Not Completed (S) - Simultaneous step and the qty is in queue or in work. Not available in this release. § Simultaneous Completed (C) - Simultaneous step and the qty is done. Not available in this release. § **Sequential Concurrent Not Completed (E)** - Sequential Concurrent step and the step is not completed (might be in queue, work or not here yet). **Not available in this release**. § **Sequential Concurrent Completed (L)** - Step State - Sequential Concurrent step and the step is completed. **Not available in this release**. [**String (1)**]
STEP_PULLED_INTO	The step ID that the SFC was started at. Used for returing QTY's back to queue during completes and signoffs. [**String (6)**]
SPECIAL_INSTRUCTION	This instruction is displayed in the POD after a Start. [**String (128)**] (Expanded Archive Columns: **SPECIAL_INSTRUCTION**)
FUTURE_HOLD_COUNT	This defines the number of holds on a SFC Step. This count is incremented when hold is added on thi step. But this count is not decremented when the hold is released. [**INTEGER**]
ERP_SENT	If true, then this step has been confirmed to ERP. [**BOOLEAN**]
ERP_TB_SENT	If true, then this step's time-based components have been confirmed to ERP. [**BOOLEAN**]
EWM_TB_SENT	Flag telling whether confirmation from this step was sent to EWM. [**BOOLEAN**]

SFC_STEP_PLAN

This business object defines the work assignments for various users. The work assignments are SFC step information.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SFC_STEP_BO **(Required, Key)**	The parent object's handle [**HANDLE**]
ASSIGNED_BY_GBO **(Required, Key)**	The user/crew/resource that assigns the SFC to a user. [**HANDLE**] [**UserBO, ResourceBO**]
USER_BO	The user who started this SFC. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
SEQUENCE	The sequence of user assignment [**SEQUENCE**]
DATE_ASSIGNED	The latest date/time that this SFC (or portion) was assigned [**DATE_TIME**]

SFC_SUBSTEP

This contains the substep status for the SFC. Each substep has a record for each SFC it is used on.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
SFC_STEP_BO	The step/SFC this substep is associated with. [**Handle**]
ROUTER_SUBSTEP_BO	The substep for this SFC. [**Handle**]

COLUMN	Description/Default
SEQUENCE	Controls the order of display and execution of the substep. [**Integer**]
STATE	The current state of this SFC's substep. Valid values include: § **Ready (READY)** - The substep can be worked. § **Finished (FINISHED)** – The substep is finished. § **Bypassed (BYPASSED)** – The substep has been bypassed. [**String (25)**]
DATE_FINISHED	The date the substep was finished or bypassed. [**Date/Time**]

SFG_ACTION

Each record represents an action that a Safeguard executes when the Safeguard's period has expired.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID **(Required, Key)**	A system-generated unique identifier. [**Integer**]
NAME	The name of the action. [**String (512)**]
DESCRIPTION	A description of the action. [**String (2000)**]
ACTIONCLASS	The fully qualified class name of the Action class assigned to this action. [**String (512)**]
VERSION	Used for optimistic locking by JPA. (Internal use only) [**Integer**]

SFG_ACTION_PROPERTY

A mapping table that assigns 0..n Properties to an Action.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ACTION_ID **(Required, Key, Foreign Key)**	A foreign key to the action in the SFG_ACTION table. [**Integer**]
PROPERTY_ID **(Required, Key, Foreign Key)**	A foreign key to the property (in SFG_PROPERTY) associated to this action. [**Integer**]

SFG_GROUP

Each record in this table is a Group used to combine Safeguards for simpler viewing in the UI. Currently not used in this release.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
NAME **(Required, Key)**	The name of the group. [**String (512)**]
VERSION **(Required)**	Used for optimistic locking by JPA. (Internal use only) [**Integer**]

SFG_PROPERTY

Properties associated to Safeguards and/or Actions which help define their behavior.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
ID **(Required, Key)**	A system-generated unique identifier. [**Integer**]
NAME	The name of the property. [**String (256)**]
DESCRIPTION	A description of the property. [**String (1024)**]
VALUE	The value of this property. [**String (256)**]

COLUMN	Description/Default
TYPE	The fully qualified class name of the Java type of this property. [**String (256)**]

SFG_SAFEGUARD

Each record in this table is a Safeguard in the application.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
NAME **(Required, Key)**	The name of the safeguard. [**String (512)**]
DESCRITION	A description of the safeguard. [**String (2000)**]
ENABLED	Indicates if this safeguard is enabled. Default : 0 [**Bit**]
DELETABLE	Indicates if this safeguard can be deleted. SAP-supplied safeguards cannot be deleted. Default : 0 [**Bit**]
PERIOD	The timer period in milliseconds. [**Integer**]
RULEID	The fully qualified class name of the Rule class assigned to this safeguard. [**String (512)**]
GROUP_NAME	The name of the group this safeguard is assigned to. (unused in this release). [**String (256)**]
VERSION **(Required)**	Used for optimistic locking by JPA. (Internal use only) [**Integer**]

SFG_SAFEGUARD_PROPERTY

A mapping table that assigns 0..n Properties to a Safeguard.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SAFEGUARD_ID **(Required, Key, Foreign Key)**	A foreign key to the safeguard in the SFG_SAFEGUARD table. [**String (512)**]
PROPERTY_ID **(Required, Key, Foreign Key)**	A foreign key to the property (in SFG_PROPERTY) associated to this safeguard. [**Integer**]

SFG_SEQ

This table is used internally by the application to help generate unique primary keys.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SEQ_KEY	The name of this sequence. [**String (50)**]
SEQ	The value of this sequence. [**Integer**]

SFG_STATUS

Each record in this table holds the last status of each enabled Safeguard.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SAFEGUARD **(Required, Key)**	The name of the safeguard that created this status entry. [**String (512)**]
RUNTIME **(Required, Key)**	The date/time that this status was created. [**DATE_TIME**]

COLUMN	Description/Default
STATUS **(Required)**	The status value. Valid Value : **OK** **WARNING** **MALFUNCTION** **SEVERE** [**String (16)**]
EXPLANATION	The explanation of why this safeguard reported this status. [**String (2000)**]

SHIFT_BREAK_TYPE

This business object defines customizable definitions for shift break types. While this information is not used within SAP ME, it is available for export to external systems.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
SITE **(Required, Key)**	This record's site. [**String (6)**]
BREAK_TYPE **(Required, Key)**	Name of the break type. All uppercase. [**String (40)**]
DESCRIPTION	The description of this object. [**String (40)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

SHOP_ORDER

This business object defines a Shop Order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	Site for which this object is defined. [**String (6)**]
SHOP_ORDER **(Required, Key)**	The shop order's name. [**String (36)**]
STATUS_BO	Status of this shop order. This is a status that is defined in the OrderStatusGroup. [**HANDLE**] (Expanded Archive Columns: **STATUS, STATUS_SITE**)
ORIGINAL_STATUS_BO	The original status of this order before it was placed on hold. Used only when releasing holds. [**HANDLE**] (Expanded Archive Columns: **ORIGINAL_STATUS_SITE, ORIGINAL_STATUS**)
PRIORITY	The relative priority of this shop order where 1 is the lowest priority and 999 is the highest. [**INTEGER**]
PLANNED_ITEM_BO	Item planned to be built by this shop order. [**ItemBO**] [**HANDLE**] (Expanded Archive Columns: **PLANNED_ITEM_SITE, PLANNED_ITEM, PLANNED_ITEM_REVISION**)
PLANNED_BOM_BO	The shop order-specific Bill of Material planned to be used to build the Item. [**BOMBO**] [**HANDLE**] (Expanded Archive Columns: **PLANNED_BOM_SITE, PLANNED_BOM, PLANNED_BOM_TYPE, PLANNED_BOM_REVISION**)
PLANNED_ROUTER_BO	The shop order-specific router planned to be used as the process to build the Item. [**RouterBO**] [**HANDLE**] (Expanded Archive Columns: **PLANNED_ROUTER_SITE, PLANNED_ROUTER, PLANNED_ROUTER_TYPE, PLANNED_ROUTER_REVISION**)
ITEM_BO	Item being built by this shop order. This is a handle to the Item being produced and is determined when the Shop Order is released. [**HANDLE**] (Expanded Archive Columns: **ITEM_SITE, ITEM, ITEM_REVISION**)
BOM_BO	The shop order-specific Bill of Material being used to build the Item. This is a handle to the BOM being used and is determined when the Shop Order is released. [**HANDLE**] (Expanded Archive Columns: **BOM_SITE, BOM, BOM_TYPE, BOM_REVISION**)

COLUMN	Description/Default
ROUTER_BO	The shop order-specific router being used as the process to build the Item. This is a handle to the Router being used and is determined when the Shop Order is released. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_TYPE, ROUTER_REVISION**)
QTY_TO_BUILD	The number of pieces to build. [**QTY**]
QTY_ORDERED	The number of pieces ordered. This is a reference value only. If not overridden, this value is set to the QtyToBuild value. [**QTY**]
QTY_RELEASED	The number of pieces already released to SFCs. [**QTY**]
QTY_DONE	The Qty completed on this order. [**QTY**]
QTY_SCRAPPED	The number of pieces scrapped on this order. [**QTY**]
PLANNED_START_DATE	The date and time that this order has been planned to be started. [**DATE_TIME**]
PLANNED_COMP_DATE	The date and time that this order has been planned to be completed. [**DATE_TIME**]
SCHEDULED_START_DATE	The date and time that this order has been scheduled to be started. [**DATE_TIME**]
SCHEDULED_COMP_DATE	The date and time that this order has been scheduled to be completed. [**DATE_TIME**]
ACTUAL_COMP_DATE	The date and time that this order was completed that is, the last SFC released for this shop order is completed. [**DATE_TIME**]
ACTUAL_START_DATE	The date and time that this order was actually started that is, the first SFC was placed in queue. [**DATE_TIME**]
PLANNED_WORK_CENTER_BO	Work center planned to build the required items for this shop order. [**HANDLE**] (Expanded Archive Columns: **PLANNED_WORK_CENTER_SITE, PLANNED_WORK_CENTER**)
RELEASED_DATE	The date and time that the first SFC or subassembly was released for this shop order. [**DATE_TIME**]
END_UNIT_NUMBER	The End Unit Number this shop order is built for. (End Unit Number is sometimes re-labeled Tail Number or Ship Number). [**String (36)**]
CUSTOMER	The customer this order is intended for. [**String (40)**]

COLUMN	Description/Default
CUSTOMER_ORDER	The customer order this order is intended for. [**String (40)**]
LCC_BO	The labor charge code for this order. [**HANDLE**] (Expanded Archive Columns: **LCC_SITE, LCC_LABOR_CHARGE_CODE**)
RMA_SFC_DATA_TYPE_BO	Defines the custom data to collect for the SFCs added to this order (only used if this is an RMA order type). [**HANDLE**] (Expanded Archive Columns: **RMA_SFC_DATA_TYPE_SITE, RMA_SFC_DATA_TYPE_NAME, RMA_SFC_DATA_TYPE_CATEGORY**)
RMA_SHOP_ORDER_DATA_TYPE_BO	Defines the custom data to collect for this order (only used if this is an RMA order type). [**HANDLE**] (Expanded Archive Columns: **RMA_SHOP_ORDER_DATA_TYPE_SITE, RMA_SHOP_ORDER_DATA_TYPE_NAME, RMA_SHOP_ORDER_DATA_TYPE_CATEG**)
TRANSFER_SITE	The Site (must be type Production) to which SFCs will be transferred when they are Done. [**String (6)**]
TRANSFER_TYPE	The type of SFC transfer that will occur. Valid values include: § **SFC Consumption Site (C)** - SFC are consumed at this site. § **Spans Production (P)** - Production spans this site. [**String (1)**]
SHOP_ORDER_TYPE_BO	Type of shop order. [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_TYPE_SITE, SHOP_ORDER_TYPE**)
HOLD_ID	The unique hold id assigned to this shop order when the hold was done on this shop order. [**String (20)**]
REQ_SERIAL_CHANGE	If true, then this shop order will require a serial number change on all of its SFCs before it can be finished. [**BOOLEAN**]
COLLECT_PARENT_SERIAL	If true, then this shop order is normally selected to serialize its parent shop order's SFCs. [**BOOLEAN**]
BATCH_NUMBER	The Batch number this order is associated with. This is used with the ERP integration. [**String (20)**]
ERP_ORDER	If 'true', then this order originated in the ERP system. This is defined by the ERP integration. [**BOOLEAN**]
ERP_PRODUCTION_VERSION	The production version (revision) of the material as it is known in the ERP system. [**String(4)**]

COLUMN	Description/Default
ERP_UNIT_OF_MEASURE	The unit of measure this order's QTYs are set in ERP. [**String(3)**]
INSPECTION_LOT	The ERP inspection lot ID if this order is an inspection lot. [**String(20)**]
INSPECTION_GROUP_SIZE	The ERP inspection lot group size. This is used to determine how many pieces of the order should have detailed inspections. [**INTEGER**]
ERP_PUTAWAY_STORLOC	The ERP storage location that this order will be stored in upon completion. [**String(4)**]
WAREHOUSE_NUMBER	Warehouse Number that will be used to post Goods Receipt. [**String(3)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SHOP_ORDER_BOM_COMPONENT

Defines cross references between shop order and BOM components

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SHOP_ORDER_BO	Reference to a shop order. [**HANDLE**]
BOM_COMPONENT_BO	Reference to a BOM component. [**HANDLE**]
COMPONENT_BO	Reference to a component material. [**HANDLE**]
BOM_BO	Reference to a BOM. [**HANDLE**]
RESERVATION_ORDER_NUMBER	ERP reservation order number. [**String(10)**]

COLUMN	Description/Default
ERP_ORDER_ITEM_NUMBER	It's AFPOS value is mapped from LOIPRO (03,04) /LOIPLO (01,02) ERP IDOC. Unique order item number which is only available for co-product materials. [**String(4)**]
RESERVATION_ITEM_NUMBER	ERP reservation item number. [**String(4)**]

SHOP_ORDER_CHARACTERISTICS

Defines the ERP characteristics for this shop order. This is an open-ended list of name/value pairs as received from ERP.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**Handle**]
SHOP_ORDER_BO	The shop order this characteristic information is defined for. [**Handle**]
CHARACTERISTIC_NAME	The characteristic name (internal code value). [**String(70)**]
CHARACTERISTIC_VALUE	The characteristic value (internal code value). [**String(70)**]

SHOP_ORDER_CHARACTERISTIC_T

This table defines translations for SO characteristics

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the SHOP_ORDER_CHARACTERISTICS_BO and LOCALE. [**Handle**]
LOCALE	Language code. [**String(7)**]

COLUMN	Description/Default
SHOP_ORDER_CHARACTERISTICS_BO	Reference to SHOP_ORDER_CHARACTERISTICS record. [**Handle**]
CHARACTERISTIC_DESCRIPTION	Localized description value for the characteristic name. [**String(70)**]
CHARACTERISTIC_VALUE_DESC	Localized description value for the characteristic value. [**String(70)**]

SHOP_ORDER_INSPECTION_LOT

Defines the ERP inspection lot details for this shop order. This is the inspection details for a specific step for the order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
SHOP_ORDER_BO **(Required, Key)**	The shop order this inspection information is defined for. [**HANDLE**]
ROUTER_STEP_BO **(Required, Key)**	The router step this inspection information is defined for. [**HANDLE**]
INSPECTION_SAMPLE_SIZE	The expected sample size to inspect at this specific step. [**INTEGER**]

SHOP_ORDER_INSP_RESULT

Defines the ERP inspection results. This is an Inspection Lot Decision that belongs to the Shop Order inspection Lot. This is the overall result for a given DC Group Parameter.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**Handle**]
SHOP_ORDER_INSPECTION_LOT_BO **(Required, Key)**	The shop order inspection lot record this result is defined for. [**Handle**]

COLUMN	Description/Default
DC_PARAMETER_BO **(Required, Key)**	The DC Group Parameter this inspection lot result is for. [**Handle**]
IS_QM_ACCEPTED	If 'true', then this lot/parameter was accept by the QM system in ERP. [**Boolean**]

SHOP_ORDER_SCHEDULE

This business object defines the planned production schedule for specific steps for this order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**Handle**]
SHOP_ORDER_BO **(Required, Key)**	Handle to the parent Shop Order. [**Handle**]
SEQUENCE **(Required, Key)**	A sequence generated to make this record unique. [**Integer**]
ROUTER_STEP_BO	The router step this schedule is defined for. [**Handle**]
RESOURCE_BO	The resource this step should be performed at. [**Handle**]
SPLIT_ID	A unique split ID for this record. This is used when a given order must be worked in multiple stages for a given step. A unique split ID is needed to reference the specific portion of the order to be scheduled. [**String(20)**]
PLANNED_QTY	The number of pieces to be worked for this step/split ID. [**Integer**]
CONFIRMED_QTY	The number of pieces already confirmed (completed) with the external scheduler. [**Integer**]
START_DATE	The planned start date/time for this quantity. [**DateTime**]
END_DATE	The planned completion date/time for this quantity. [**DateTime**]

SHOP_ORDER_SEL_RULE

This business object contains the selection rules and their associated values that are attached to a shop order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
Handle **(Required, Key)**	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SHOP_ORDER_BO **(Required, Key)**	Selection Rule associated with the shop order [**HANDLE**]
SEQUENCE	A sequence generated to make this record unique. [**Integer**]
ERP_SELECTION_RULE	Selection Rule name. [**String (30)**]
ERP_SELECTION_VALUE	Selection Rule value. Valid values are T(True) or F(False) [**String (5)**]

SHOP_ORDER_SFC

This business object contains references to the SFCs that are being built by this shop order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SHOP_ORDER_BO **(Required, Key)**	Handle to the parent ShopOrderBO containing the SFCs. [**HANDLE**]
SFC_BO **(Required, Key)**	SFC being built by this shop order. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

SHOP_ORDER_SFC_PLAN

Defines the planned SFC ID's that should be released with this order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this record. [**HANDLE**]
SHOP_ORDER_BO **(Required, Key)**	The shop order, this SFC ID is planned for. [**HANDLE)**]
SEQUENCE **(Required, Key)**	The sequence this SFC/serial number was defined in the plan. [**INTEGER**]
SFC	The planned SFC ID. [**String (128)**]
SERIAL_NUMBER	The planned serial number used to create SFCs from. [**String (18)**]
STATE	The state of this record. Used to track which serial numbers have been released. Valid values include: § **New (N)** – This serial number is new and has not been used to create (release) an SFC. § **Released (R)** – The serial number has been used to create an SFC. [**String (1)**]
ENABLED	If 'true', then this serial number can be used to generate an SFC for this order. [**BOOLEAN**]
IS_ERP_SFC_NUMBER	If 'true', then this serial number is an SFC number that has a core serial number that was provided by ERP. [**BOOLEAN**]
IS_ERP_SERIAL_NUMBER	If 'true', then this serial number is a serial number that was provided by ERP. [**BOOLEAN**]
ORIGINAL_SERIAL_NUMBER	Original serial number from the production order (this field is used in rework orders). [**String (18)**]
ORIGINAL_ITEM	Original material from the production order (this field is used in rework orders) [**String (128)**]

COLUMN	Description/Default
ORIGINAL_SFC	TRUE if information about original serial number came from ERP. Default Value is empty (means FALSE). [**String (128)**]
IS_ERP_ORIGINAL_SERIAL_NUMBER	TRUE if information about Original material came from ERP. Default Value is empty (means FALSE). [**BOOLEAN**]
IS_ERP_ORIGINAL_ITEM	Original SFC from the production order (this field is used in rework orders) [**BOOLEAN**]

SHOP_ORDER_STANDARD_RATE

Defines standard rate relevant for combination of shop order, resource and operation

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes SHOP_ORDER_BO, RESOURCE_BO and OPERATION_BO. [**HANDLE**]
SHOP_ORDER_BO	Reference to shop order. [**HANDLE**]
RESOURCE_BO	Reference to resource. [**HANDLE**]
OPERATION_BO	Reference to operation. [**HANDLE**]
STANDARD_RATE_UOT	Time units for the standard rate. Enumeration: S – seconds M - minutes H – hours D - days. [**String (1)**]
STANDARD_RATE_QTY	Standard rate: number of processed units per defined time. [**FLOAT**]

COLUMN	Description/Default
STANDARD_RATE_TIME	Standard rate time in the units of time. [**FLOAT**]

SHOP_ORDER_SUBASSEMBLY

This business object contains references to the subassembly shop orders that are being built by this shop order.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SHOP_ORDER_PARENT_BO **(Required, Key)**	Handle to the parent ShopOrderBO. [**HANDLE**]
SUBASSEMBLY_SHOP_ORDER_BO **(Required, Key)**	Handle to a shop order that is the subassembly. [**HANDLE**] (Expanded Archive Columns: **SUBASSEMBLY_SHOP_ORDER_SITE, SUBASSEMBLY_SHOP_ORDER**)
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SHOP_ORDER_SUBASSY_PEGGED

It contains the shop orders that have been pegged to a parent shop order as determined by System Rules.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
PARENT_SHOP_ORDER_BO **(Required, Key)**	Handle to the parent ShopOrderBO containing the SFCs. [**HANDLE**]

COLUMN	Description/Default
PEGGED_SHOP_ORDER_BO **(Required, Key)**	Handle to the pegged ShopOrderBO containing the SFCs.The shop order of the kit being pegged. [**HANDLE**] (Expanded Archive Columns: **PEGGED_SHOP_ORDER_SITE, PEGGED_SHOP_ORDER**)

SHOP_ORDER_TYPE

Defines shop order types.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE	Site for which this object is defined. [**String (6)**]
ORDER_TYPE	The type of the shop order. Valid values include: § Engineering (ENGINEERING) - Engineering. § Inspection (INSPECTION) - Inspection. § Production (PRODUCTION) - Production. § Rework (REWORK) - Rework. § Repetitive (REPETITIVE) - Repetitive. § RMA (RMA) - RMA. § Tooling (TOOLING) - Tooling. § Spare (SPARE) - Spare. [**String (36)**]
ORDER_PROCESSING_TYPE	Field identifies kind of processing that should be applied to this shop order type. Valid values include: § **Production (normal) (N)** - Production (normal). § **RMA (M)** - RMA. § **Repetitive (R)** - Repetitive. [**String (1)**]
DESCRIPTION	Description of shop order type. This field should be used in drop down lists with shop order types. [**String (40)**]

COLUMN	Description/Default
DEFAULT_TYPE	True if this is the default order type. (Used in Next Number, Item and Shop Order Maintenance GUIs). [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

SITE

This business object defines attributes for a Site definition.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	Definition of a location where work will be done. [**String (6)**]
DESCRIPTION	Description of this site. [**String (40)**]
IS_LOCAL	If true, then this is a local, production site. If false, then it is a hold site (usually a copy). [**BOOLEAN**]
LOGON_ID	Defines the logon ID for remote communication with this site. [**String (30)**]
PASSWORD	Defines the password for remote communication with this site. [**String (20)**]
PORT	Defines the HTTP Port number for remote communication with this site. [**INTEGER**]
SERVER	Defines the server name for remote communication with this site. [**String (32)**]
TYPE	The type of site. Valid values include: § **Production (P)** - Production site. § **Transfer (T)** - Transfer site. [**String (1)**]

COLUMN	Description/Default
SITE_LOCAL	Specifies the language locale for this site. Only applies to the global (*) site in this release. [**String (40)**]
URL	Defines the URL for remote communication with this site. [**String (1024)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
TIME_ZONE	This field stores the time zone used by a site. [**String (36)**]

SLOT_CONFIG

Defines a configuration of an automated (normally) component insertion machine. This is used to control and track the component setup of resources that use Time-Based Component Traceability.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
SLOT_CONFIG_ID **(Required, Key)**	The name of the Slot Config. [**String (40)**]
DESCRIPTION	The description of this slot configuration. [**String (40)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
REVISION **(Required, Key)**	The revision of this Slot Configuration. [**String (20)**]
CURRENT_REVISION	If true, then this is the current revision. [**BOOLEAN**]
STATUS_BO	The status of this Slot Configuration. Status is provided by the Product Definition Status Group. [**HANDLE**]

COLUMN	Description/Default
EFF_START_DATE	The Effectivity Start Date (unused in this release). [**DATE_TIME**]
EFF_END_DATE	The Effectivity End Date (unused in this release). [**DATE_TIME**]

SLOT_CONFIG_MASTER

SlotConfigBO extends RevisionableEBO, which creates an auxiliary table called SLOT_CONFIG_MASTER. This table defines master data for a revision family of SlotConfigBOs, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
SLOT_CONFIG_ID **(Required, Key)**	The name of the Slot Config. [**String (40)**]
EFFECTIVITY_CONTROL	The efectivity control flag for revision ("R"). [**String (1)**]

SLOT_CONFIG_RELATIONSHIP

This is a mapping table to represent the Slot relationship to Item, BOM, Operation and ShopOrder

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
ITEM_OR_ITEM_GROUP	The item being built. [**String (412)**]
BOM_BO	The BOM definition used by this SFC. (Note: this BOMBO is a shoporder- or SFC-specific BOM that was created at release time). [**HANDLE**]
OPERATION_BO	The operation that this SFC is to be worked or was already worked. [**HANDLE**]

COLUMN	Description/Default
SHOP_ORDER_BO	The Shop Order Handle. [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SEQUENCE **(Required, Key)**	A unique identifier for this particular resource slot. [**SEQUENCE**]
SLOT_CONFIG_BO **(Required, Key)**	The Slot Config Handle. [**HANDLE**]

SLOT_DETAIL

Defines specific a component loaded on a particular slot configuration.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SLOT_CONFIG_BO **(Required, Key)**	The Slot Configuration that this component is loaded for. [**HANDLE**]
SEQUENCE **(Required, Key)**	Controls the order of the slot (during display). [**INTEGER**]
SLOT	The Slot ID that the component is loaded on. [**String (16)**]
LOCATION	The location fed by the parent component lot (slot). [**String (20)**]
COMPONENT_BO	The component that is to be loaded on this slot. [**HANDLE**]
REF_DES	The Reference Designator that is filled by this slot (during operation). "*" means all RefDes's are filled. [**String (36)**]
MIN_QTY_THRESHOLD	When this slot's remaining QTY reaches this level, then the min QTY message will be sent. [**INTEGER**]
MIN_QTY_MESSAGE_TYPE_BO	When this slot's remaining QTY reaches MIN_QTY_THRESHOLD, then this message will be sent. [**HANDLE**]

COLUMN	Description/Default
ZERO_QTY_MESSAGE_TYPE_BO	When this slot's remaining QTY reaches 0, then this message will be sent. [**HANDLE**]

SLOT_LOCATION

A single location that parent slot feeds.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
LOCATION **(Required, Key)**	The location fed by the parent component lot (slot). [**String (20)**]
SLOT_DETAIL_BO **(Required, Key)**	The Slot Configuration Detail record, identifying the slot, which feeds this location. [**HANDLE**]

SLOT_REF_DES

A single reference designator that parent slot feeds.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
REF_DES **(Required, Key)**	The Ref_Des fed by the parent component lot (slot). [**String (36)**]
SLOT_DETAIL_BO **(Required, Key)**	The Slot Configuration Detail record, identifying the slot, which feeds this location. [**HANDLE**]

SPC_ALARM

Keeps track of the most recent SPC analyses and alarms that have been processed. This table tracks the date/time of the first and last pieces of data that were analyzed. It also records the latest URL of the analysis results.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. **[HANDLE]**
SPC_CONTEXT_BO **(Required, Key)**	The SPC Chart context associated with the alarm/data info. [**HANDLE**]
CHART_ORDER	Either "P" (Primary), or "S" (Secondary) [**String**] [**String (1)**]
SPC_RULE_VIOLATED **(Required, Key)**	The SPC Rule that was violated. [**String (5)**]
FIRST_DATA_TIME **(Required, Key)**	The date/time of the first piece of data that was most recently analyzed. [**DATE_TIME**]
LAST_DATA_TIME **(Required, Key)**	The date/time of the last data point analyzed. [**DATE_TIME**]
URL	The URL of the display page for the results of this analysis. [**String (256)**]
RULESET_FILE_P	The SPC rule set file name for the primary chart. [**String**] [**String (50)**]
RULESET_FILE_S	The SPC rule set file name for the secondary chart. [**String**] [**String (50)**]

SPC_CHART

This defines SPC Chart.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
SITE	The site for this SPC chart. [**String (6)**]
SPC_CHART	Name of this SPC Chart. [**String (20)**]

COLUMN	Description/Default
CHART_TYPE	The type of chart to display. This also controls the basic type of analysis performed. Valid values include: § **Individual (VAR_INDV)** - Displays each value of the item being measured. § **Median (VAR_MEDIAN**) - Calculates and displays sample size medians. They are used when it is desirable to give little weight to occasional "wild shot" values. The median chart should be used only when subgroup sizes are very small since the efficiency of the median in estimating the true universe mean decreases with increasing subgroup size. § **Moving Average (VAR_MOVAVG**) - Calculates and displays the moving average of sample sizes. § **Moving Range (VAR_MOVRNG)** - Calculates and displays the moving range of sample sizes. § **Process Capability (VAR_PC)** - Calculates and displays a histogram of data. § **X-Bar and R (VAR_XBARR)** - Displays the means and ranges of the subgroups. X-bar chart calculates and displays sample size ranges. § **X-Bar and S (VAR_XBARS)** - Calculates and displays the means and standard deviations of the sample sizes. X-bar chart calculates and displays sample size averages. S chart calculates and displays sample size standard deviations. § **First Test Yield (ATTR_FTY)** - Displays first test yield percentage for each sample size. § **Retest Yield (ATTR_RTY)** - Displays retest yield percentage for each sample size. § **Inverse First Test Yield (ATTR_IFTY)** - Displays the inverse of the first test yield percentage for each sample size. § **Inverse Retest Yield (ATTR_IRTY) -** Displays the inverse of the retest yield percentage for each sample size. § **NP (ATTR_NP)** - A control chart for the number of nonconforming items found in either constant or varying sized subgroups. § **P (ATTR_P)** - A control chart for the fraction or percent of nonconforming items found in either constant or varying sized subgroups. [**String (24)**]
CHART_TITLE1	Chart title, 1st line. [**String (50)**]
CHART_TITLE2	Chart title, 2nd line. [**String (50)**]

COLUMN	Description/Default
CHART_TITLE3	Chart title, 3rd line. [**String (50)**]
START_TIME	Holds the time the last analysis was started. [**DATE_TIME**]
END_TIME	Holds the time the last analysis was finished. [**DATE_TIME**]
UPDATE_TIME	The time the chart was last updated. [**DATE_TIME**]
UPDATE_STATUS	If "true", then the SPC analysis is in progress. [**BOOLEAN**]
URL	The URL of the display page for the results of this analysis. [**String (1024)**]
PROPAGATE_ALARMS	True if the alarms generated are to be propagated to the Alarm Log. [**BOOLEAN**]
TRIGGER_MESSAGE_ALARMS	True if the message alarms generated are to be triggered. [**BOOLEAN**]
SHORT_RUN	True if this chart is configured for short production runs. [**BOOLEAN**]
SUBGROUP_SIZE	The number of data points per plot point for this control chart. The number entered must be between 2 and 999. [**INTEGER**]
MAX_PLOT_POINTS	The maximum number of plot points displayed on this control chart. The number entered must be between 1 and 500. [**INTEGER**]
MAX_DATA_AGE	The maximum age (in days) of historical data to be retreived for the chart (subject to MAX_PLOT_POINTS) [**INTEGER**]
X_TICK_LABEL	X-axis subgroup labeling. Valid options: SEQ - Sequential (1 to N) T - Time D - Date DT - Date/Time UD - User Defined SFC - SFC [**String (3)**]
DESCRIPTION	The description of the SPC Chart [**String (40)**]
CHART_TEMPLATE	The SPC Chart to be used by the SPC engine. [**String (512)**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [DATE_TIME]
MODIFIED_DATE_TIME	The date/time this record was last updated. [DATE_TIME]

SPC_CHART_DETAIL

This is a child for SPC Chart. This defines the details for primary and secondary charts.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
SPC_CHART_BO **(Required, Key)**	Parent SPCChartBO object. [**HANDLE**]
CHART_DETAIL_TYPE **(Required, Key)**	Defines which chart to apply these details to. Valid values include: § **Primary (P)** - ID Primary Chart. § **Secondary (S)** - ID Secondary Chart. [**String (1)**]
X_AXIS_LABEL	Chart X-axis label. [**String (50)**]
Y_AXIS_LABEL	Chart Y-axis label. [**String (50)**]
Y_AXIS_MIN	Y-axis minimum value. [**INTEGER**]
Y_AXIS_MAX	Y-axis maximum value. [**INTEGER**]
Y_AXIS_SCALE	Y-axis scaling. Valid values: Linear or Logarithmic. [**String (11)**]
UPPER_CONTROL_LIMIT	Control chart Upper Control Limit. [**INTEGER**]
LOWER_CONTROL_LIMIT	Control chart Lower Control Limit. [**INTEGER**]
CENTER_LINE	Control chart center line. [**INTEGER**]

COLUMN	Description/Default
CONTROL_LIMIT_USAGE	Defines how Control Limit should be used in SPC Analysis. Valid values include: § **None (N)** - ID control limits not used. § **Fixed (F)** - ID use defined fixed control limits. § **Calculated (C)** - ID control limits calculated from data. [**String (1)**]
UPPER_SPEC_LIMIT	The upper specification limit for the data to be collected. This is normally used as a reference on the control chart. For attribute charts, the number entered must be between 1 and 100 and is expressed as a percent. For variable charts, the number entered must be between 0 and 999999999999999. [**INTEGER**]
SPEC_TARGET	The center specification target for the data to be collected. For attribute charts, the number entered must be between 1 and 100 and is expressed as a percent. For variable charts, the number entered must be between 0 and 999999999999999. [**INTEGER**]
LOWER_SPEC_LIMIT	The lower specification limit for the data to be collected. This is normally used as a reference on the control chart. For attribute charts, the number entered must be between 1 and 100 and is expressed as a percent. For variable charts, the number entered must be between 0 and 999999999999999. [**INTEGER**]
DISPLAY_SPEC_LIMITS	Determines whether Specification Limits are displayed on control chart. [**BOOLEAN**]
SPEC_LIMIT_USAGE	Defines how Specification Limit should be used in SPC Analysis. Valid values include: § **Fixed (F)** - ID use defined fixed spec limits. § **From Chart Template (T)** – The template provides the limits. [**String (1)**]
ENABLE_TREND_RULES	Determines whether trend rules are checked by the SPC engine. [**BOOLEAN**]
TREND_RULES	Statit trend rule file for control chart. [**String (50)**]
SIGMA_COEFFICIENT	The sigma coefficient used in calculating control limits. [**INTEGER**]

SPC_CHART_TMP_DATA

This is a temporary data table used to transfer data to the SPC engine.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[Handle]**
DATE_TIME_MSEC	The date/time this record was created. **[Integer]**
TXN_ID	A unique ID assigned to the database transaction. **[String(50)]**
DATA	The temporary data for the SPC engine (XML format). **[CLOB]**

SPC_RULE

Defines the valid SPC Rule IDs.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. **[HANDLE]**
SITE	The site for this object. [**String (6)**]
KEY_ID **(Required, Key)**	Unique Key ID for this record. [**INTEGER**]
SPC_RULE	The SPC Rule ID. [**String (1)**]
MESSAGE_TYPE_BO	The message sent when this SPC rule is violated. [**HANDLE**]
RULESET_FILE	The SPC Rule set file. [**String (50)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

STANDARD_RATE

Defines standard rates of processing defined for combinations of resource\material\routing\operation

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. Includes SITE and KEY_ID. [**HANDLE**]
SITE	The site for this record. [**String (6)**]
KEY_ID	The standard rate GUID. [**INTEGER**]
RESOURCE_BO	Reference to resource. [**HANDLE**]
ITEM_BO	Reference to material. [**HANDLE**]
ROUTER_BO	Reference to routing. [**HANDLE**]
OPERATION_BO	Reference to operation. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated [**DATE_TIME**]
UOT	Time units for the standard rate. Enumeration: S – seconds M - minutes H – hours D - days [**String (1)**]
QUANTITY	Number of processed units per defined time [**FLOAT**]
TIME	Standard rate time in the units of time [**FLOAT**]

STANDARD_VALUE_KEY

Defines up to 6 standard key value names for use with ERP integration. This is used primarily to categorize labor time for use with ERP.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. [**HANDLE**]
SITE **(Required, Key)**	The site for the standard key naming scheme. [**String (6)**]
NAME **(Required, Key)**	The standard key value definition name. [**String (128)**]
DESCRIPTION	The standard key description. [**String (40)**]
ACTIVITY_LABEL_ONE	The label used for category one. [**String (80)**]
ACTIVITY_LABEL_TWO	The label used for category two. [**String (80)**]
ACTIVITY_LABEL_THREE	The label used for category three. [**String (80)**]
ACTIVITY_LABEL_FOUR	The label used for category four. [**String (80)**]
ACTIVITY_LABEL_FIVE	The label used for category five. [**String (80)**]
ACTIVITY_LABEL_SIX	The label used for category six. [**String (80)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

STATUS

This business object defines the Status object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Status Codes. [**String (6)**]
STATUS_GROUP	One of 5 pre-defined groups defined for Status Codes. [**String (18)**]
STATUS **(Required, Key)**	The ID for a Status Code. [**String (16)**]
STATUS_DESCRIPTION	Displayable name for a Status Code. [**String (16)**]
DEFAULT_STATUS	Is this Status Code the default status code? [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
TIME_ELEMENT_TYPE_BO	The time element type reference. **[HANDLE]**

STATUS_MEANING

This business object defines the Status object.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
STATUS_BO **(Required, Key)**	The handle to the corresponding Status Code. [**HANDLE**]
STATUS_MEANING_TYPE **(Required, Key)**	The Meaning being described. [**String (12)**]
STATUS_MEANING	This is the boolean value associated with a Meaning. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

STORAGE_LOCATION

This table defines material storage locations as used within SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site this storage location is defined in. [**String(6)**]
STORAGE_LOCATION (**Required, Key**)	The storage location's ID. [**String(4)**]
DESCRIPTION	The description of this storage location. [**String(40)**]
EWM_PUTAWAY_STORAGE_LOCATION	
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

STORAGE_LOCATION_MEMBER

This table defines which Work Centers in can be used with a specific storage location.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
STORAGE_LOCATION_BO **(Required, Key)**	The storage location. [**HANDLE**]
WORK_CENTER_BO (**Required, Key**)	The work center that can be used with the storage location. [**HANDLE**]

SUBSTEP

This contains the substeps that need to be performed as part of the routng step.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE	The site for this object. [**String(6)**]
SUBSTEP	A unique name for this substep. This is the value displayed to the user. [**String(36)**]
REVISION	The revision of this substep. [**String(20)**]
CURRENT_REVISION	If true, then this revision is the current revision of the substep. [**Boolean**]
STATUS_BO	The status of this substep. [**Handle**]
NC_CODE_BO	The NC Code will be ctreated if this substep will bypassed(for substeps with Type “Normal”). [**Handle**]
SUBSTEP_GROUP	The group of substeps this substep belongs to. [**String(30)**]
SUBSTEP_TYPE	The type of substep. Controls the importance of the substeps. Valid values include: § **Normal (NORMAL)** - The substep has normal importance and must be finished. § **Optional (OPTIONAL)** – The substep is optional and may be bypassed. § **Critical (CRITICAL)** – The substep is critical and must be finished. [**String (25)**]
TIMER	Unused in this release. [**Integer**]
DESCRIPTION	A short description of this substep. [**String(40)**]
LONG_DESCRIPTION	The long description of this substep. [**String(1024)**]

COLUMN	Description/Default
EWM_PUTAWAY_STORAGE_LOCATION	Boolean flag indicating if this storage location is EWM putaway. [**Boolean**]
CREATED_DATE_TIME	The date/time this record was created. [**Date/Time**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**Date/Time**]

SUBSTEP_MASTER

This table defines master data for a revision family of Substep, including effectivity control information for the revision family.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The Site for the Substep revision family. [**String (6)**]
OPERATION **(Required, Key)**	The name/id of the Substep revision family. [**String (36)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the Substep revision family. [**String (1)**]

SYSTEM_RULE

This business object defines the primary representation of a System Rule.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SYS_RULE **(Required, Key)**	Name of the rule. [**String (26)**]

COLUMN	Description/Default
RULE_SUBGROUP	The sub group this rule belongs in. Used to divide groups into smaller, related units. [**String (26)**]
RULE_TYPE	The sub group (used to distinguish between rules for normal QIP processing and the ODS rules). Valid values include: § **Sytem Rule (S)** - WIP System Rule. § **ODS Rule (O)** - ODS Rule. [**String (1)**]
SEQUENCE	Controls the order the rules are displayed in. [**INTEGER**]
DESCRIPTION	Short description of the rule. [**String (40)**]
LONG_DESCRIPTION	Long description of the rule. [**String (256)**]
VALUE_OBJECT_TYPE	The object type (tag/class name) of the rule value. Valid values include: § **BooleanDO (B)** - A true/false value. § **StringDO (S)** - Any String. § **IntegerDO (I)** - Must be an integer. § **FloatDO (F)** - Must be a floating-point number. § **LongDO (L)** - Must be a long (large) integer. [**String (1)**]
SYSTEM_RULE_GROUP_BO	System rule group to which this rule belongs. [**HANDLE**]
SYSTEM_RULE_VAL_ACTIVITY_BO	Handle to an Activity that will validate any creation or (typically) modification of a System Rule. Unused in this release. [**HANDLE**]
SYSTEM_RULE_BR_ACTIVITY_BO	Handle to an Activity that will be used for browsing on values that can be selected for this rule's value. User specification of these activities will be in SFDM. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SYSTEM_RULE_CONTEXT

This business object defines a System Rule Context. A System Rule Context basically contains the tag name that of a valid business object that can override this system rule.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SYSTEM_RULE_BO **(Required, Key)**	System rule to which this context applies. [**HANDLE**]
CONTEXT_OBJECT_TYPE **(Required, Key)**	Tag name of a valid business object that can override the system rule. [**String (60)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SYSTEM_RULE_GROUP

This business object defines a System Rule Group. A System Rule Group is a logical grouping of related in system rules.

Note: In this release, the set of groups and their contained System Rules are predefined and not modifiable by the customer.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
DESCRIPTION	Description of the rule group. [**String (40)**]
RULE_GROUP **(Required, Key)**	Name of the rule group. [**String (26)**]
LONG_DESCRIPTION	Long description of the rule group. [**String (256)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

SYSTEM_RULE_OVERRIDE

This business object defines an overridden value for a System Rule. The override is for a given context.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
OVERRIDING_GBO **(Required, Key)**	Specific object that is overriding the rule value. [**HANDLE**] [**ItemBO, ShopOrderBO, OperationBO, ResourceBO, WorkstationBO, WorkCenterBO**]
SYSTEM_RULE_BO **(Required, Key)**	System rule that the override is for. [**HANDLE**]
SYSTEM_RULE_SETTING	Overridden value, as persistently stored and programmatically used, for the system rule. [**String (256)**]
SITE	Site for which the rule is overridden. [**String (6)**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SYSTEM_RULE_SETTING

This business object defines the actual value for a System Rule.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SYSTEM_RULE_SETTING	Value, as persistently stored and programmatically used, for the system rule. [**String (256)**]
SYSTEM_RULE_BO **(Required, Key)**	System rule that the value is for. [**HANDLE**]
SITE **(Required, Key)**	Site for which the rule value is specified. [**String (6)**]

COLUMN	Description/Default
SYSTEM_RULE_OVERRIDABLE	Indicates (true/false) if this rule can be overridden. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

SYSTEM_RULE_VALID_SETTING

This business object defines a valid value for a System Rule. These values are site-specific, though they may be defined for the global site. There may be zero or more valid values for a given system rule and site.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SYSTEM_RULE_DISPLAY	Valid display value for the System Rule. [**String (60)**]
SYSTEM_RULE_SETTING **(Key)**	Valid value for storage and programmatic use. [**String (256)**]
SYSTEM_RULE_BO **(Required, Key)**	System rule that the value is for. [**HANDLE**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

TEST_PLAN

Define configuration for Test Plans feature to do the automated Data Collection.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN **(Required, Key)**	This is the test plan id that will be generated using the Next Number rules. [**String (10)**]

COLUMN	Description/Default
SITE **(Required, Key)**	The site in which this record belongs to. [**String (6)**]
DESCRIPTION	The description field for this test plan [**String (40)**]
USER_BO	Handle to the user that created this test plan. [**HANDLE**]
CREATED_DATE_TIME	The date/time this was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was modified. [**DATE_TIME**]

TEST_PLAN_ATTACHMENT

Test Plan Attachments.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN_BO **(Required, Key)**	Handle to the parent record in the Test_Plan table. [**HANDLE**]
SEQUENCE **(Key)**	The sequence of this parameter. This value will not be shown in the UI but is used for our internal purpose of building the handle. [**INTEGER**]
USER_BO	Handle to the user who created/modified this attachment. [**HANDLE**]
ITEM_BO	Handle to item that will be used when tester asks for the Test Plan Config by passing item, operation etc. [**HANDLE**]
OPERATION_BO	Handle to operation that will be used when tester asks for the Test Plan Config by passing item, operation etc. [**HANDLE**]
ROUTER_BO	Handle to router that may be used when tester asks for the Test Plan Config. [**HANDLE**]
RESOURCE_BO	Handle to resource that may be used when tester asks for the Test Plan Config. [**HANDLE**]

COLUMN	Description/Default
ATTRIBUTE	This field holds the attribute value used to identify this attachment. This is per the customer requirement. [**String (128)**]
CURRENT_REV	This field has the value of "true" or "false" depending on whether this combination of Item and Operation is a current revision through out the site or not. This field will be helpful when the tester asks for Test Plan Config for say item "Item1" and Operation "Oper1". At this time system will look through all the Test Plans and will return the Test Plan, which has this field, set to "true" for item "Item1" and operation "Oper1". NOTE: At a time particular combination of item and operation can have only one record through out the site that has this field set to "true". [**BOOLEAN**]
CREATED_DATE_TIME	This time is added here as even though the all the values are not editable in Test Plan but if only attachments is being changed then it will be allow Test Plan to be saved.DATE. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was modified. [**DATE_TIME**]

TEST_PLAN_MEASUREMENT

Test Plan Measurements.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN_BO **(Required, Key)**	Handle to the parent record in the Test_Plan table. [**HANDLE**]
MEASUREMENT_ID **(Required, Key)**	The Id for the measurement that is to be taken by this tester. Multiple measurements are taken by each tester in a particular test plan. [**INTEGER**]
PARENT_MEASUREMENT_ID	This parent measurement id is the same as the measurement id except that if this particular record has the parent measurement id -1 then in that case this measurement id row is the top-level parent. [**INTEGER**]

COLUMN	Description/Default
IS_PARENT	This field holds the value true or false. If true then this measurement is a parent of some child measurement ids. Is added for the performance reason. [**BOOLEAN**]
TYPE	It specifies the type of the measurement. It can have any of this four pre-defined values: Boolean/MultipleNumLimitTestNumLimitTest/String. [**String (20)**]
MEASUREMENT_DESCRIPTION	This is the description of this measurement. [**String (128)**]
ENABLED	This field holds the value true or false. If true then this measurement is enabled or else its disabled. [**BOOLEAN**]
TOLERANCE_LIMIT	This field holds the value true or false. If true then this measurement will have the tolerance limit. [**BOOLEAN**]

TEST_PLAN_MEASUREMENT_LIMIT

Test Plan Measuremets Limits.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN_MEASUREMENT_BO **(Required, Key)**	Handle to the parent record in the Test_Plan_Measurement table. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence of this measurement limit. [**INTEGER**]
HIGH_LIMIT	The higher limit of this measurement. [**String (32)**]
LOW_LIMIT	The lower limit of this measurement. [**String (32)**]
SPEC_HIGH_LIMIT	The spec high limit of this measurement. [**String (32)**]
SPEC_LOW_LIMIT	The spec low limit of this measurement. [**String (32)**]
UNIT_OF_MEASURE	This field specifies units for measuring this limit. [**String (6)**]

TEST_PLAN_MEASUREMENT_PARAM

Test Plan Measurement's Parameters.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN_MEASUREMENT_BO **(Required, Key)**	Handle to the parent record in the Test_Plan_Measurement table. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence of this measurement parameter. [**INTEGER**]
PARAM_NAME	The parameter name that is used to set the parameters for the measurement for which we are specifying the parameters. [**String (128)**]
PARAM_VALUE	The value for the parameter name in above column. [**String (1024)**]

TEST_PLAN_PARAM

Test Plan Parameters.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's unique handle. **[HANDLE]**
TEST_PLAN_BO **(Required, Key)**	Handle to the parent record in the Test_Plan table. [**HANDLE**]
SEQUENCE **(Required, Key)**	The sequence of this parameter [**INTEGER**]
PARAM_NAME	The parameter name that is used to set the parameters for the Tester. [**String (128)**]
PARAM_VALUE	The value for the parameter name in above column. [**String (1024)**]

TIME_ELEMENT

Defines time elements used for OEE calculation. To be maintained from OEE Time Model Configuration

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the SITE and TIME_ELEMENT. [**HANDLE**]
SITE	The site for this record. [**String (6)**]
TIME_ELEMENT	Unique name of the time element within the site. [**String (128)**]
TIME_ELEMENT_TYPE_BO	Each time element is associated with a type (foreign key to TIME_ELEMENT_TYPE), such as “productive”, “unscheduled downtime” or “scheduled downtime”. [**HANDLE**]
STATUS_BO	Reference to status “enabled” or “disabled” to indicate if time element is obsolete but still may be used for historical OEE reporting. [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

TIME_ELEMENT_T

Defines translations for time elements

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the LOCALE and TIME_ELEMENT_BO. [**HANDLE**]
LOCALE	Language code. [**String (7)**]
TIME_ELEMENT_BO	Reference to TIME_ELEMENT record. [**HANDLE**]
DESCRIPTION	Localized description value for the Time Element [**String (40)**]

TIME_ELEMENT_TYPE

Defines time element types such as “productive”, “unscheduled downtime” or “scheduled downtime” used for OEE calculation

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the SITE and TIME_ELEMENT_TYPE. [**HANDLE**]
SITE	The site for this record. [**String (6)**]
TIME_ELEMENT_TYPE	Unique name of the time element type within the site. [**String (128)**]
MAPPING_RELEVANT	Enum field defines if the type can be mapped by a user in OEE: 0 – no mapping allowed R – Resource Status can be mapped T – Time Element can be assigned B – either Resource or\and Time Element can be mapped [**String (1)**]

TIME_ELEMENT_TYPE_T

Defines translations for time element types

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the LOCALE and TIME_ELEMENT_TYPE_BO. [**HANDLE**]
LOCALE	Language code. [**String (7)**]
TIME_ELEMENT_TYPE_BO	Reference to TIME_ELEMENT_TYPE record. [**HANDLE**]
DESCRIPTION	Localized description value for the Time Element Type. [**String (40)**]

TIME_GRANULARITY

This business object defines a time granularity bucket.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
GRANULARITY **(Required, Key)**	The name of the time granularity. [**String**] [**String (36)**]
DESCRIPTION	The description for the time granularity. [**String (40)**]
ENABLED	Is Granularity enabled or disabled? 'true' if it is enabled, elase 'false'. [**BOOLEAN**]
START_DATE	Granularity start of the time bucket. [**DATE_TIME**]
END_DATE	Granularity end of the time bucket. [**DATE_TIME**]
RECURRING_YEARLY	Specifies that the time bucked will be used every year. [**INTEGER**]

COLUMN	Description/Default
TYPE	Granularity type. Valid values include: § **System (S)** - System Granularity. § **UserDefined (U)** - User defined Granularity. [**String (1)**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

TIME_GRANULARITY_ASSIGNMENT

This table stores the time granularity assignments for various ODS Summaries.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	Site for which this object is defined. [**String (6)**]
SUMMARY_NAME **(Required, Key)**	The Summary Name. [**String**] [**String (36)**]
TIME_GRANULARITY_BO **(Required, Key)**	Time Granularity handle. [**HANDLE**] (Expanded Archive Columns: **STATUS, STATUS_SITE**)
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

TOOL_GROUP

Defines a specific tool that can be required at many attachment points. This can be a generic tool (e.g. Hammer) or a specific tool.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
TOOL_GROUP **(Required, Key)**	The tool group's ID (name). [**String (32)**]
STATUS_BO	A status from the Basic Status Group. [**HANDLE**]
DESCRIPTION	The object's description. [**String (40)**]
TRACK_CTL	Defines the type of tracking control need for this tool group. Valid values include: § **None (N)** - No tool tracking is needed. § **Serialized (S)** - Tools will be tracked by individual serial numbers for each tool. § **Lot (L)** - Tools will be tracked by lot number. A lot may contain more than one tool. [**String (1)**]
QTY	The typical size of the lot of tools. [**QTY**]
LOCATION	The physical location of the tool on the shop floor. [**String (40)**]
TIME_BASED	'true' if the tool is used as a time-based tool. This means the tool is typically setup on the resource using Resource Setup. [**BOOLEAN**]
ERP	'true' if the tool group is tracked as a tool in ERP. [**BOOLEAN**]
CALIBRATION_TYPE	The type of calibration control for this tool. Valid values include: § **None (N)** - No calibration is needed. § **Time (T)** - Calibration based on elapsed time is needed. § **Date (D)** - Calibration up until a specific date is needed. [**String (1)**]
CALIBRATION_PERIOD	The calibration period needed (units depend on CALIBRATION_PERIOD_TYPE). Used only if CALIBRATION_TYPE=Time(T). [**Integer**]

COLUMN	Description/Default
CALIBRATION_PERIOD_TYPE	The calibration period units. Used only if CALIBRATION_TYPE=Time(T). Valid values include: § Days (D) - Days § Months (M) - Months § Years (Y) - Years [**String (1)**]
EXP_DATE	The date this tool's calibration will expire. Only used if the CALIBRATION_TYPE=Date (D). [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

TOOL_LOG

This table contains the detailed tools used for specific SFCs.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The site this record is stored in. [**String (6)**]
STRT **(Key)**	The date/time this tool was logged. Used mainly to insue unique primary key (handle). [**String (30)**]
TOOL_NUMBER_BO **(Key)**	The tool number that was used on the SFC. [**HANDLE**] (Expanded Archive Columns: **TOOL_NUMBER_SITE, TOOL_NUMBER**)
TOOL_NUMBER_STATUS_BO	The status of this tool number when it was logged. [**HANDLE**] (Expanded Archive Columns: **TOOL_NUMBER_STATUS_SITE, TOOL_NUMBER_STATUS**)
TOOL_GROUP_BO	The tool group that this tool number belongs to. [**HANDLE**] (Expanded Archive Columns: **TOOL_GROUP_SITE, TOOL_GROUP**)

COLUMN	Description/Default
USER_ID	The user that logged this tool usage record. [**String (30)**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
QTY	Total quantity of the tool used. [**QTY**]
SFC_BO	The SFC built using this tool. [**HANDLE**] (Expanded Archive Columns: **SFC_SITE, SFC**)
ITEM_BO	The item for the given SFC. [**HANDLE**] (Expanded Archive Columns: **ITEM, ITEM_REVISION, ITEM_SITE**)
ROUTER_BO	The router the SFC was on when the tool was logged. [**HANDLE**] (Expanded Archive Columns: **ROUTER_SITE, ROUTER, ROUTER_REVISION, ROUTER_TYPE**)
OPERATION_BO	The operation the SFC was processed at when the tool was used. [**HANDLE**] (Expanded Archive Columns: **OPERATION_SITE, OPERATION, OPERATION_REVISION**)
RESOURCE_BO	The resource the SFC was processed at when the tool was used. [**HANDLE**] (Expanded Archive Columns: **RESOURCE_SITE, RESOURCE**)
SHOP_ORDER_BO	The shop order for the SFC . [**HANDLE**] (Expanded Archive Columns: **SHOP_ORDER_SITE, SHOP_ORDER**)
WORK_CENTER_BO	The work center the SFC was processed at when the tool was used. [**HANDLE**] (Expanded Archive Columns: **WORK_CENTER_SITE, WORK_CENTER**)
DATE_TIME	The date/time this tool was used. [**DATE_TIME**]
COMMENTS	The user entered comments made during the tool useage. [**String (2048)**]
ACTIVITY_BO	The activity that logged this record. [**HANDLE**] (Expanded Archive Columns: **ACTIVITY**)
ATTACHMENT_BO	The tool attachment record that was used when logging this tool. [**HANDLE**]
ORIGINAL_SFC_BO	The original SFC this tool was logged for. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

TOOL_NUMBER

This record defines a specific tool within the system. This can be a serial or lot controlled tool. Each tool has a specific ID (tool number).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
TOOL_NUMBER **(Required, Key)**	The specific tool or tool lot's ID. [**String (32)**]
TOOL_GROUP_BO	The tool group that this specific tool is an instance of. [**HANDLE**]
DESCRIPTION	The description of this tool. [**String (40)**]
STATUS_BO	The tool's status. This is a member of the Resource status group. [**HANDLE**]
QTY	The number of tools in the lot (1.0 for serialized tools). [**QTY**]
LOCATION	The location on the shop floor this tool is currently in. [**String (40)**]
CALIBRATION_TYPE	The type of calibration control for this tool. Valid values include: § **None (N)** - No calibration is needed. § **Time (T)** - Calibration based on elapsed time is needed. § **Date (D)** - Calibration up until a specific date is needed. [**String (1)**]
CALIBRATION_DATE	The date this tool's calibration was last done. Reference only. [**DATE_TIME**]
CALIBRATION_PERIOD	The calibration period needed (units depend on CALIBRATION_PERIOD_TYPE). Used only if CALIBRATION_TYPE=Time(T). [**Integer**]

COLUMN	Description/Default
CALIBRATION_PERIOD_TYPE	The calibration period units. Used only if CALIBRATION_TYPE=Time(T). Valid values include: § Days (D) - Days § Months (M) - Months § Years (Y) - Years [**String (1)**]
EXP_DATE	The date this tool's calibration will expire. Only used if the CALIBRATION_TYPE=Date (D). [**DATE_TIME**]
ERP_EQUIPMENT_NUMBER	The unique ERP equipment ID for this specific tool. [**String (18)**]
ERP_PLANT_MAINT_ORDER	The current or pending ERP plant maintenance work order. [**String (12)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

TOOL_TIME_LOG

This table tracks specific tools setup on a resource for a specific period of time. A record exists for each tool/resource that is active at a given time.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The Site for which this object is defined. [**String (6)**]
RESOURCE_BO	The resource this tool was setup for. [**HANDLE**]
TOOL_NUMBER_BO	The specific Tool Number that was used on the resource. [**HANDLE**]
STRT	The start time of the period that this record covers. This is the time the tool was used on the resource. This is a character form of the START_DATE_TIME. [**String (30)**]

COLUMN	Description/Default
START_DATE_TIME	The start time of the period that this record covers. This is the time the tool was used on the resource. [**DATE_TIME**]
END_DATE_TIME	The end time of the period that this record covers. This is the time the tool was last used on the resource. [**DATE_TIME**]
ACTIVITY_BO	The activity that logged this record. [**HANDLE**]
ACTIVE	'true' if this record is currently active. [**BOOLEAN**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

TRANSACTION_LOG

This table contains the detailed transactions processed by SAP ME. These are primarily messages sent and received to and from external systems. This table is used for diagnosing issues within SAP ME. The logging of these transactions is enabled via administrative UIs in SAP ME.

This table is stored in the ODS database.

ODS: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
TXN_ID	The type of transaction stored in this record. [**String (50)**]
TXN_TYPE	The description of this transaction type. Valid values include: § **Data XChange (XCHANGE)** – Data XChange transactions are logged. § **Web Services (WEBSERVICE)** – Web Services are logged. § **Production XML (PRODUCTION_XML)** – Production XML transactions are logged. § **Custom (CUSTOM)** – Customer-defined transactions are logged. This requires custom development. [**String (30)**]

COLUMN	Description/Default
TXN_NAME	Transaction name (for example Start, Complete, update). [**String (255)**]
TXN_STATUS	The status of this transaction. Valid values include: § **Success (SUCCESS)** – The transaction succeeded. § **Failed (FAIL)** – The transaction failed with some sort of error. § **Pending (PENDING)** – The transaction is currently pending. [**String (30)**]
TXN_PAYLOAD	The actual message payload. [**CLOB**]
TXN_RESULT	The actual message results. [**CLOB**]
START_DATE_TIME	The date this transaction began. [**DATE_TIME**]
END_DATE_TIME	The date this transaction was completed. [**DATE_TIME**]
ELAPSED_TIME	The elapsed time of this transaction (milliseconds). [**INTEGER**]

TRANSACTION_LOG_TYPES

This table can contain configuration records to enable or disable logging for specific transactions processed by SAP ME. These are primarily messages sent and received to and from external systems. The logging of these transactions is enabled via administrative UIs in SAP ME. If enabled, these transactions are logged to the ODS table TRANSACTION_LOG.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]

COLUMN	Description/Default
TRANSACTION_TYPE	The type of transaction stored in this record. Valid values include: § **Data XChange (XCHANGE)** – Data XChange transactions are logged. § **Web Services (WEBSERVICE)** – Web Services are logged. § **Production XML (PRODUCTION_XML)** – Production XML transactions are logged. § **Custom (CUSTOM)** – Customer-defined transactions are logged. This requires custom development. [**String (32)**]
DESCRIPTION	The description of this transaction type. [**String (256)**]
ENABLE_TRANSACTION_LOG	Enable Transaction Logging. [**BOOLEAN**]
AGING_PERIOD	Time period in days to wait before TransactionLog entries are deleted from database. [**INTEGER**]
ENABLE_PAYLOAD_LOGGING	Enable Logging of Transaction Payload for this Transaction Type. [**BOOLEAN**]
ENABLE_RESULT_LOGGING	Enable Logging of the result for this Transaction Type. [**BOOLEAN**]
MAX_PAYLOAD_SIZE	Maximum size of payload for this Transaction Type. [**INTEGER**]
MAX_RESULT_SIZE	Maximum size of result for this Transaction Type. [**INTEGER**]
SQL_EXECUTION_THRESHOLD	SQL statements that taken longer than this value in milliseconds are logged. [**INTEGER**]
RECORD_TRANSACTION_METADATA	Enable logging of Client Metadata for this Transaction Type. [**BOOLEAN**]
AUTO_DISABLE_TRANSACTION_LOG	Automatically disable transaction logging for this Transaction Type. [**BOOLEAN**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]

TRANSFER_DATA

Holds individual rows of transfer definitions for Shop Orders, Items, and Item Groups. The beans ShopOrderBO, ItemBO, ItemGroupBO all reference this as a child table.

Archived: Yes

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
TRANSFER_PARENT_GBO	The reference to the parent record. This will either be a ShopOrderBO, ItemBO, or ItemGroupBO. [**HANDLE**]
TRANSFER_TYPE	This field is used to define the transfer type for this record. The GUI will have the default of "S", but the bean logic should simply show this as a required field and set no defaults. It is an error if this value is not passed. At most one record can have type="N". Error if more than one is found. Valid values include: § **SFC Consumption (C)** - SFC Consumption. § **SFC Span Production (S)** - SFC Span Production. § **No Transfer (N)** - No Transfer. [**String (1)**]
TRANSFER_SITE	Destination Site for the transfer. Required to have some value, but may be set to a dummy value in CRUD for type="N". Required to contain an actual site if TRANSFER_TYPE is "C" or "S". Must be validated in this case - call SiteBO.isValid().Should be set to "NONE" for TRANSFER_TYPE = "N". This will allow it to be recognizable in the handle. No Default. [**String (6)**]
EXPORT_TEMPLATE_BO	Required field if TRANSFER_TYPE not "N". Handle to the Export Template to be used. Upon save, this must be validated for existence. Template is used for both types of SFC transfer. [**HANDLE**]
RECEIVE_REQ	This flag shows whether the data transferred must be received via SFC Receipt Application or not. "true" or "false". Default: false [**BOOLEAN**]
DEF_CHOICE	"True" or "false" to flag if this record is the default one for this grouping of transfer records. Only one record in the group can have this flag set. CRUD must ensure this and error if there is more than one. (Because this is a child table, the crud method will be receiving the entire set of records.). If the TRANSFER_TYPE is "N" and this flag is checked, CRUD must error. Default: false [**BOOLEAN**]

COLUMN	Description/Default
MESSAGE_TYPE_BO	Defines the message sent when an error takes place upon receipt. This value cannot be validated when filled in. [**HANDLE**]

TSM_INSTANCE

Defines the top-level instance of a Time Sensitive Material (TSM). This is normally an Inventory record or a specific component assembled onto an SFC.

This TSM_INSTANCE will track total time out of a controlled environment (freezer or dry box). There are also detailed records in TSM_INSTANCE_LOG associated with this summary record.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE	The site this TSM instance is stored in (and is available to). [**String (6)**]
OWNER_GBO **(Required, Key)**	This is the INVENTORY or SFC_ASSY record this TSM record is associated with. This is the Inventory or component that has a time sensitive history. [**HANDLE**]
ITEM_BO	The component (item) that is TSM controlled. [**HANDLE**] (Expanded Archive Columns: **ITEM, ITEM_REVISION, ITEM_SITE**)
EXPIRATION_DATE	The date this time sensitive material will expire. [**DATE_TIME**]
MAX_FLOOR_LIFE	The max floor life left for the time sensitive material. This is the number of milliseconds that the material can be kept outside of the controlled environment. [**INTEGER**]
CHECKED_OUT	If true, then the time sensitive material is checked out of the controlled environment. [**BOOLEAN**]
CUMMULATIVE_FLOOR_LIFE	The total time the time sensitive material has been kept outside of the controlled environment. This is the number of milliseconds. [**INTEGER**]
CHECKED_OUT_DATE_TIME	The date when the time sensitive material was checked out. [**DATE_TIME**]
CHECKED_IN_DATE_TIME	The date when the time sensitive material was checked in. [**DATE_TIME**]

COLUMN	Description/Default
CURED	If true, then the time sensitive material has been cured and is no longer time sensitive. [**BOOLEAN**]
CURED_DATE_TIME	The date the time sensitive material was cured and is no longer time sensitive material. [**DATE_TIME**]
PARENT_TSM_INSTANCE_BO	A link to another TSM_INSTANCE_RECORD that is the parent of this record. This is used to link parent assemblies with child components. [**HANDLE**]
HAS_CHILDREN	If true, then this time sensitive material record has one or more child (component) TSM_INSTANCE records. [**BOOLEAN**]
REMOVED	If true, then this child record (component) has been removed from its parent. [**BOOLEAN**]
CREATED_DATE_TIME	The date this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date this record was last modified. [**DATE_TIME**]

TSM_INSTANCE_LOG

Defines specific history records associated with a single time sensitive material. This is a child of the TSM_INSTANCE table.

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
TSM_INSTANCE_BO **(Required, Key)**	The parent TSM_INSTANCE record. The parent is a summary of these detail records. [**HANDLE**]
TXN_ID **(Required, Key)**	A unique ID associated with the database transaction that created this record. This is used to link similar records within the same database txn for reporting purposes. [**String (50)**]

COLUMN	Description/Default
TXN_ID_CHECK_OUT **(Required, Key)**	A unique ID associated with the database transaction that checked in the TSM for this record. This is used to link similar records within the same database txn for reporting purposes. [**String (50)**]
TXN_ID_CHECK_IN **(Required, Key)**	A unique ID associated with the database transaction that checked out the TSM for this record. This is used to link similar records within the same database txn for reporting purposes. [**String (50)**]
USER_BO **(Required, Key)**	The user that performed the action. [**HANDLE**]
TYPE	The type of record. Valid values include: § **Checked Out (O)** - Checked Out from controlled environment. § **Checked In (I)** - Checked Into controlled environment. § **Modified (M)** - Modified by user edit. § **Cured (C)** - Material was cured and is no longer time sensitive. [**String (1)**]
CHECKED_OUT_DATE_TIME	The date when the time sensitive material was checked out. [**DATE_TIME**]
CHECKED_IN_DATE_TIME	The date when the time sensitive material was checked in. [**DATE_TIME**]
CURED_DATE_TIME	If cured, then this is the date/time the material was cured (no longer time sensitive). [**DATE_TIME**]
TIME_OUT	The time the material spent out for this action (milliseconds). [**INTEGER**]
STATE	The state of this record. Valid values include: § **Checked Out (O)** - Checked Out from controlled environment. § **Checked In (I)** - Checked Into controlled environment. § **Expired (E)** - Material is expired. § **Closed (C)** - Material was cured and is no longer time sensitive. § **Reset (R)** - Material time was reset. [**String (1)**]
OLD_EXPIRATION_DATE	If the expiration date was manually changed, then this is the previous date before the user changed it. [**DATE_TIME**]
NEW_EXPIRATION_DATE	If the expiration date was manually changed, then this is the new expiration date after the user changed it. [**DATE_TIME**]

COLUMN	Description/Default
DATE_TIME	The date/time this log record was written. [**DATE_TIME**]
OLD_MAX_FLOOR_LIFE	The old max floor life before the user manually changed it. [**INTEGER**]
NEW_MAX_FLOOR_LIFE	The new max floor life after the user manually changed it. [**INTEGER**]

UOM

Unit of Measurement objects.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Inventory handle. [**HANDLE**]
SITE	ME site. [**String (6)**]
UOM_ID	Internal, language-independent, measurement unit format. [**String (3)**]
UOM_ISO_CODE	ISO Code for Unit of Measurement. [**String (3)**]
DECIMAL_PLACES	The number of decimal places with which this measurement unit is displayed. [**String (5)**]
FLOAT_POINT_EXPONENT	Determines how the values for this measurement unit are formatted as floating point numbers. [**String (5)**]
ERP_PRIMARY	Selection field for conversion from ISO code to int. code. Unit of measure flagged as a primary unit for an ISO code. [**String (5)**]

UOM_T

Translations for Units of Measurement.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	UOM translation handle. [**HANDLE**]
LOCALE	Locale. [**String (7)**]
UOM_BO	UOM handle. [**HANDLE**]
COMMERCIAL_UOM	Commercial measurement unit format. The internal measurement units are automatically converted to this format for screen output. [**String (3)**]
TECHNICAL_UOM	Technical measurement unit format. The internal measurement unit format is automatically converted into this format for screen output. [**String (6)**]

USER_CERT

This business object defines what Certifications a user has and when they expire.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
USER_BO **(Required, Key)**	The parent User object, User. [**HANDLE**]
CERTIFICATION_BO **(Required, Key)**	The certification assigned to the user Certification. [**HANDLE**]
CERTIFICATION_AUTHORITY_BO	The user that gave this certification to this user User. [**UserBO**] [**HANDLE**]
EXPIRATION_DATE	The date the certification will expire on (invalid on that date and all days after). [**DATE_TIME**]
CERTIFICATION_DATE	The date the certification was given. [**DATE_TIME**]

COLUMN	Description/Default
WARNING_ALARM_SENT	True if the warning alarm has been sent for this certification (for this user). [**BOOLEAN**]
EXPIRATION_ALARM_SENT	True if the expiration alarm has been sent for this certification (for this user). [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
STATUS_BO	The handle to the corresponding status. [**HANDLE**]
EXTENSION_EXPIRATION_DATE	The expiration date for the extension. [**DATE_TIME**]
COMMENTS	The comments for the assignment. [**String (2048)**]
EXTENSIONS	The number of extensions granted for the assignment. [**INTEGER**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was last created. [**DATE_TIME**]
EXTENSION_ALARM_SENT	True if the extension alarm has been sent for this certification (for this user). [**BOOLEAN**]

USER_GROUP

This business object defines a User Group.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
DESCRIPTION	The User Groups description. [**String (40)**]

COLUMN	Description/Default
USER_GROUP **(Required, Key)**	The User Group ID. [**String (30)**]
WORKSTATION_BO	The default workstation to use for users in this group. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

USER_GROUP_BUYOFF

This table defines the links between a buyoff and the user groups that can accept/reject the buyoff. Users in the given group(s) are allowed to accept/reject buyoffs.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
BUYOFF_BO **(Required, Key)**	The Buyoff that users in the given group can accept/reject. [**HANDLE**]
USER_GROUP_BO **(Required, Key)**	The user group that is allowed to accept/reject this buyoff. [**HANDLE**]

USER_GROUP_CERTIFICATION

This business object defines the Certifications for a UserGroup.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_GROUP_BO **(Required, Key)**	The parent User Group's handle. [**HANDLE**]

COLUMN	Description/Default
CERTIFICATION_BO **(Required, Key)**	The Certification's handle. [**HANDLE**]

USER_GROUP_MEMBER

This business object defines the members for a User Group.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
USER_GROUP_BO **(Required, Key)**	The parent User Group's handle. [**HANDLE**]
USER_OR_GROUP_GBO **(Required, Key)**	The User or User Group (member). [**HANDLE**] [**UserBO, UserGroupBO**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

USER_LABOR

Defines the user's labor settings (valid for a specific range of dates).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
USER_BO **(Required, Key)**	The parent User object. [**HANDLE**]
VALID_FROM **(Required, Key)**	Date that this row of data becomes available for use. Format "YYYYMMDD". [**String (8)**]
VALID_TO	Date after which this row of data is no longer valid. Format "YYYYMMDD". [**String (8)**]

COLUMN	Description/Default
USER_TYPE_BO	Handle to the user type. [**HANDLE**]
USER_SHIFT_BO	The shift the user is assign to. [**HANDLE**]
COST_CENTER_BO	Handle to the user's cost center. [**HANDLE**]
LCC_BO	The user's default labor charge code. [**HANDLE**]
DEPARTMENT	The user's department for a shift. [**String (40)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

USER_LABOR_SECONDARY_SHIFTS

Captures the secondary shifts assigned to a user.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_LABOR_BO **(Required, Key)**	The parent USER_LABOR object. [**HANDLE**]
USER_SHIFT_BO **(Required, Key)**	This secondary shift the user is assigned to. [**HANDLE**]
PRECEDENCE	The order in which the shifts are searched. [**INTEGER**]

USER_PREFERENCE

This business object defines a preference that a user may have. These preferences are basically defined as key/value pairs of (string) data. These values are stored and updated by the various activities used by them. These preferences represent the current settings for such things as the user's current site.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
USER_BO **(Required, Key)**	The parent User object, User. [**HANDLE**]
ACTIVITY **(Required, Key)**	The activity (base ID) that create/maintains this record. [**String (20)**]
PREFERENCE_NAME **(Required, Key)**	Key name of the preference. [**String (26)**]
PREFERENCE_SETTING	Value of the preference. [**CLOB**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

USER_PREFERENCES

Per-site and Per-user preferences that customize a user's Activity Manager, Printers, and Workbench.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
USER_BO **(Required, Key)**	The user for which these preferences have been created. [**HANDLE**]
DEFAULT_ACTIVITY_BO	The Activity to display upon log in. [**ActivityBO**] [**HANDLE**]
DEFAULT_DISPLAY	The default expansion setting of the Activity Manager. Valid values include: § **Expanded (E)** - The display is expanded. § **Collapsed (C)** - The display is collapsed. [**String (1)**]

COLUMN	Description/Default
DOCUMENT_PRINTER_BO	The default document printer. [**PrinterBO**] [**HANDLE**]
LABEL_PRINTER_BO	The default label printer. [**PrinterBO**] [**HANDLE**]
TRAVELER_PRINTER_BO	The default traveler printer. [**PrinterBO**] [**HANDLE**]
WB_DEFAULT_DISPLAY	The default display mode in the work bench. Valid values include: § **Expanded (E)** - The display is expanded. § **Collapsed (C)** - The display is collapsed. [**String (1)**]
WB_ROUTER	Controls the display/hiding of the router associated with an item in the Product Workbench. [**BOOLEAN**]
WB_ROUTER_STEP	Controls the display/hiding of the group Step Group ID and ALL Step IDs associated to the router and Step Group in the Product Workbench. Disabled if WB_ROUTER is false. [**BOOLEAN**]
WB_ROUTER_STEP_COMPAP	Controls the display/hiding of the components being consumed at the operation in the Product Workbench. Disabled if WB_ROUTER_STEP is false. [**BOOLEAN**]
WB_BOM	Controls the display/hiding of the BOM associated with an item in the Product Workbench. [**BOOLEAN**]
WB_BOM_ALTCOMP	Controls the display/hiding of the component associated with a BOM in the Product Workbench. Disabled if WB_BOM is false. [**BOOLEAN**]
WB_DC	Controls the display/hiding of the data collection attached to ALL definitions applicable in the Product Workbench. [**BOOLEAN**]
WB_DC_ATTACHDETAILS	Controls the display/hiding of attachement details associated to the data collection in the Product Workbench. Disabled if WB_DC is false. [**BOOLEAN**]
WB_WI	Control the display/hiding of the work instructions attached to ALL definitions applicable in the Product Workbench. [**BOOLEAN**]
WB_WI_ATTACHDETAILS	Controls the display/hiding of the attachement details associated to the work instructions in the Project Workbench. Disabled if WB_WI is false. [**BOOLEAN**]

COLUMN	Description/Default
WB_BOM_COMP	Controls the display/hiding of the BOM Component associated with an item in the Product Workbench. [**BOOLEAN**]
WB_BOM_COMP_ALTCOMP	Controls the display/hiding of the alternate component for the component associated with a BOM in the Product Workbench. Disabled if WB_BOM_COMP is false. [**BOOLEAN**]
DHR_DEFAULT_DISPLAY	The default display mode in Device History Report. Valid values include: § **Expanded (E)** - The display is expanded. § **Collapsed (C)** - The display is collapsed. [**String (1)**]
DHR_AL_ACTUAL_COMP	Controls the display/hiding of Actually assembled Component in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_BOM_COMP	Controls the display/hiding of BOM Components in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_COMP_ASSEMBLY_DATA	Controls the display/hiding of Component Assembly Data in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_DC_COLLECTED_DATA	Controls the display/hiding of DC Collected Data in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_DC_LIMIT_VALUES	Controls the display/hiding of DC Collected Data Limit Values in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_NC_DATA	Controls the display/hiding of NC Data in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_OTHER_ACT_COL_DATA	Controls the display/hiding of Other Activities Collected Data in Device History Report Activity Log. [**BOOLEAN**]
DHR_DC_TREE	Controls the display/hiding of DC Tree related to SFC Life Cycle in Device History Report. [**BOOLEAN**]
DHR_DC_TREE_COL_DATA	Controls the display/hiding of Collected Data during DC in Device History Report. [**BOOLEAN**]
DHR_DC_TREE_LIMIT_VALUE	Controls the display/hiding of DC Collected Data limit values in Device History Report. [**BOOLEAN**]
DHR_NC_TREE	Controls the display/hiding of SFC's in Device History Report NC Tree. [**BOOLEAN**]

COLUMN	Description/Default
DHR_NC_TREE_NC_DATA	Control the display/hiding of the NC Data in Device History Report NC Tree. [**BOOLEAN**]
DHR_RELEASE_CUSTOM_DATA	Controls the display/hiding of SFC Release Custom Data in Device History Report. [**BOOLEAN**]
DHR_WI_TREE	Controls the display/hiding of Work Instructions Tree related to SFC Life Cycle in Device History Report. [**BOOLEAN**]
DHR_WI_TREE_ATT_POINTS	Controls the display/hiding of Attachment Points in Work Instructions Tree in Device History Report. [**BOOLEAN**]
DHR_AL_WI_DATA	Controls the display/hiding of Work Instructions Log related to SFC Life Cycle in Device History Report. [**BOOLEAN**]
DHR_AL_TOOLING_DATA	Controls the display/hiding of Tool Log Log related to SFC Life Cycle in Device History Report. [**BOOLEAN**]
DHR_SFC_RMA_DATA	Controls the display/hiding of SFC's RMA data collected during the RMA process. Affects the Device History Report. [**BOOLEAN**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
DHR_DC_TREE_FILE_ATTACHMENT	Controls the display/hiding of File Attachments during DC in Device History Report. [**BOOLEAN**]
DHR_NC_TREE_FILE_ATTACHMENT	Control the display/hiding of the File Attachments in Device History Report NC Tree. [**BOOLEAN**]
DHR_AL_DC_FILE_ATTACHMENT	Controls the display/hiding of DC File Attachments in Device History Report Activity Log. [**BOOLEAN**]
DHR_AL_NC_FILE_ATTACHMENT	Controls the display/hiding of NC File Attachments in Device History Report Activity Log. [**BOOLEAN**]
DHR_SFC_DATA_FILE_ATTACHMENT	Controls the display/hiding of collected SFC Data File Attachments in Device History Report Activity Log. [**BOOLEAN**]

USER_PREFERENCES_ACT

This business object defines a preference activity that a user may have. The prefered activites are stored in the context of the user group.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
ACTIVITY_BO **(Required, Key)**	The prefered activity handle.The activity is displayed in the activity manager. [**HANDLE**]
USER_PREFERENCES_ACT_GROUP_BO **(Required, Key)**	The activity group prefered by a user. The group is displayed in the activity manager. [**HANDLE**]
SEQUENCE **(Required, Key)**	The Sequence the activites are displayed. [**LONG**]

USER_PREFERENCES_ACTIVITY

An activity that is displayed in the user's custom activity group.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_PREFERENCES_ACTIVITY_GROUP_BO **(Required, Key)**	The user preferences activity group in which this activity belongs. [**HANDLE**]
ACTIVITY_BO	The activity to display in the user's custom activity manager. [**HANDLE**]
SEQUENCE **(Required, Key)**	The activity sequence index. [**INTEGER**]

USER_PREFERENCES_ACTIVITY_GROUP

A user's custom activity group, which appears in their customized Activity Manager.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_PREFERENCES_BO **(Required, Key)**	The user preferences that own this activity manager group. [**HANDLE**]
GROUP	The activity group name. [**String (50)**]
SEQUENCE **(Required, Key)**	The group ordering sequence index. [**INTEGER**]

USER_PREFERENCES_ACT_GROUP

This business object defines a preference activity group that a user may have. The user preferences for the activites are stored.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
USER_PREFERENCES_BO **(Required, Key)**	The key/value user preferences handle. The user preferences are associated with the activity group. [**HANDLE**]
GROUPNAME **(Required, Key)**	The activity group name prefered by a user. The group is displayed in the activity manager. [**String (50)**]
SEQUENCE **(Required, Key)**	The Sequence the activites are displayed. [**LONG**]

USER_PREFERENCES_SUP

This entity is used to hold the users assigned to a supervisor. The assigned users are used for Supervisor Work Assignment

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_PREFERENCES_BO **(Required, Key)**	The user preferences that own this activity manager group. [**HANDLE**]
SEQUENCE **(Required, Key)**	The group ordering sequence index. [**INTEGER**]
USER_BO	The User assigned to the supervisor. [**HANDLE**] [**UserBO**]

USER_SHIFT

This business object defines a user shift.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
SITE **(Required, Key)**	This record's site. [**String (6)**]
NAME **(Required, Key)**	The name of the shift. [**String (40)**]
DESCRIPTION	The description of this object. [**String (40)**]
MON_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]

COLUMN	Description/Default
MON_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
TUE_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
TUE_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
WED_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
WED_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
THU_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
THU_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
FRI_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
FRI_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
SAT_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]

COLUMN	Description/Default
SAT_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
SUN_PRODUCTION_DAY	Indicates if this day of the week is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
SUN_PRODUCTION_DAY_CLASS_BO	Selection of which day type from ProductionDayClassBO for this day of the week. [**HANDLE**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]
IS_ERP	true – shift imported from ERP false – shift created and maintained in ME **[BOOLEAN]**

USER_SHIFT_DEFINITION

Defines spans of time that this shift covers.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
USER_SHIFT_BO **(Required, Key)**	The parent shift record. [**HANDLE**]
VALID_FROM **(Required, Key)**	Date that this row of data becomes available for use. Format "YYYYMMDD". [**String (8)**]
VALID_TO	Date after which this row of data is no longer valid. Format "YYYYMMDD". [**String (8)**]
SHIFT_BEGIN	Beginning time of this shift. This is stored as a numeric long, which will hold the number of seconds since the beginning of a day. [**INTEGER**]

COLUMN	Description/Default
SHIFT_END	End time of this shift. This is stored as a numeric long, which will hold the number of seconds since the beginning of a day. [**INTEGER**]
CLOCK_IN_START	Earliest time a user may normally clock in. This is stored as a numeric long which will hold the number of seconds since the beginning of a day. [**INTEGER**]
CLOCK_IN_END	Latest time a user may normally clock in. This is stored as a numeric long which will hold the number of seconds since the beginning of a day. [**INTEGER**]
CLOCK_OUT_START	Earliest time a user may normally clock out. This is stored as a numeric long which will hold the number of seconds since the beginning of a day. [**INTEGER**]
CLOCK_OUT_END	Latest time a user may normally clock out. This is stored as a numeric long which will hold the number of seconds since the beginning of a day. [**INTEGER**]
LABOR_ASSIGNMENT	Designates whether labor time is to be logged to the actual day that it occurs, the shift start day, or the shift end day. Valid values include: § **Actual Day (A)** - The labor is assigned to actual day that the activity occurs on. § **Shift Start Day (S)** - The labor is assigned to day that the shift begins on. § **Shift End Day (E)** - The labor is assigned to day that the shift ends on. [**String (1)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

USER_SHIFT_DEFINITION_BREAKS

Define shift breaks for a specific shift.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. [**String (412)**]
USER_SHIFT_DEFINITION_BO **(Required, Key)**	Handle to parent ShiftDefinition record. [**HANDLE**]
BREAK_TYPE_BO **(Required, Key)**	Selection of which break type from ShiftBreakTypeBO. [**HANDLE**]
BREAK_START	Beginning of the break. This is stored as a numeric long, which will hold the number of seconds since the beginning of a day. [**INTEGER**]
BREAK_END	End of the break. This is stored as a numeric long, which will hold the number of seconds since the beginning of a day. [**INTEGER**]
BREAK_GROUP_ID	ERP break group identifier. Can be used in OEE reporting. [**String (4)**]
BREAK_ID	ERP break identifier. Can be used in OEE reporting. [**INTEGER**]

USER_SHIFT_DEFINITION_BREAKS_T

Defines translations for shift breaks imported from ERP.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the LOCALE and USER_SHIFT_DEFINITION_BREAKS_BO. [**HANDLE**]
LOCALE	Language code. [**String (7)**]
SHIFT_DEFINITION_BREAKS_BO	Reference to shift break record. [**HANDLE**]
DESCRIPTION	Localized description. [**String (40)**]

USER_SHIFT_OVERRIDES

Defines specific date overrides for a user shift.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This object's handle. **[HANDLE]**
USER_SHIFT_BO **(Required, Key)**	Handle to parent Shift record. [**HANDLE**]
OVERRIDE_DATE **(Required, Key)**	Calendar date YYYYMMDD of the override date. All numeric. [**String (8)**]
OVERRIDE_YEAR	Calendar year of the override. Must be in 4 digit string format. "YYYY" will be populated automatically at creation from OVERRIDE_DATE. This and the two following fields will be used for selection of groups of records. All numeric. Calculated value. [**String (4)**]
OVERRIDE_MONTH	String representation of the numerical month of the override date. Must be in 2-digit string format. "MM" will be populated automatically at creation from OVERRIDE_DATE. All numeric. Calculated value. [**String (2)**]
OVERRIDE_DAY	String representation of the numerical day of the month of the override date. Must be in 2-digit string format. "DD" will be populated automatically at creation from OVERRIDE_DATE. All numeric. Calculated value. [**String (2)**]
PRODUCTION_DAY	Indicates if this day is a production date or not. Valid values include: § **Production (P)** - Production Day. § **Non-Production (N)** - Non-Production Day. [**String (1)**]
PRODUCTION_DAY_CLASS_BO	Handle pointing to the production Day Class record. [**HANDLE**]

USER_SHIFT_T

Defines translations for user shifts.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This includes the LOCALE and USER_SHIFT_BO. [**HANDLE**]
LOCALE	Language code. [**String (7)**]
USER_SHIFT_BO	Reference to USER_SHIFT record. [**HANDLE**]
DESCRIPTION	Localized description. [**String (40)**]

USER_SUP

Defines the parent record for a list of Cost Centers a user may supervise (for labor tracking purposes). The actual list of Cost Centers is stored in USER_SUP_CC.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
USER_BO **(Required, Key)**	The parent User object. [**HANDLE**]
VALID_FROM **(Required, Key)**	Date that this row of data becomes available for use. Format "YYYYMMDD". [**String (8)**]
VALID_TO	Date after which this row of data is no longer valid. Format "YYYYMMDD". [**String (8)**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

USER_SUP_CC

Defines a Cost Center that a given user can supervise (for Labor Tracking).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. [**String (412)**]
USER_SUP_BO **(Required, Key)**	The parent UserSup object. [**HANDLE**]
COST_CENTER_BO **(Required, Key)**	The Cost Center the user may supervise. [**HANDLE**]

USER_TYPE

This object defines types of users (e.g. Exempt, Non-exempt, Contract, Temp...).

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	This record's handle. **[HANDLE]**
SITE **(Required, Key)**	This record's site. [**String (6)**]
USER_TYPE **(Required, Key)**	The user type. Valid values include: § **Exempt (E)** - Employee is exempt (salaried). § **Non-Exempt (N)** - Employee is non-exempt (hourly). § **Contract (C)** - Employee is a contract employee. § **Temp (T)** - Employee is a temporary employee. [**String (1)**]
DESCRIPTION	The description of this object. [**String (40)**]
DEFAULT_VAL	If "true", then this is the default type for new User records. True for only one row within each site. [**BOOLEAN**]
CREATED_DATE_TIME	The Date/Time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The Date/Time this record was modified. [**DATE_TIME**]

USER_WORK_CENTER

This table defines which work centers a user is a member of.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
USER_BO **(Required, Key)**	The user that is in the given work center. [**HANDLE**]
WORK_CENTER_BO **(Required, Key)**	The work center that this user is a member of. [**HANDLE**]

USR

This business object defines the main characteristics of a user and contains the associated business objects that make up the UserBO. This is directly related to the UME user in Netweaver.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**HANDLE**]
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
USER_ID **(Required, Key)**	The user's ID. [**String (30)**]
BADGE_NUMBER	The user's badge number. [**String (40)**]
EMPLOYEE_NUMBER	The User's employee number. [**String (40)**]
ERP_PERSONNEL_NUMBER	The User's personnel number as known in ERP. [**String (8)**]
ERP_USER	The user’s ID in the ERP system. [**String (12)**]

COLUMN	Description/Default
CURRENT_OPERATION_BO	Current operation being worked by this user. Unused in this release. [**HANDLE**]
CURRENT_RESOURCE_BO	Current resource being worked by this user. Unused in this release. [**HANDLE**]
HIRE_DATE	Hire date YYYYMMDD. [**String (8)**]
TERMINATION_DATE	Terminated date YYYYMMDD. [**String (8)**]
ALLOW_CLOCK_IN_NON_PROD	If true, then the user is allowed to clock-in on non-productions days for assigned shift(s). Valid values include: § **true (true)** - User is allowed to clock-in on non-productions days for assigned shift(s). § **false (false)** - User is not allowed to clock-in on non-productions days for assigned shift(s). § **Use Site Setting (*)** - Current site value will be used. [**BOOLEAN**]
ENFORCE_CLOCK_IN_INTERVAL	(No longer used). [**BOOLEAN**]
ACTION_CLOCK_OUT_SFC	The action that should occur with active work when a user clocks out. Valid values include: § **None (N)** - No automatic action is taken on the active SFCs. § **Signoff (S)** - The active SFCs are signed off. § **Use Site Setting (*)** - Current site value will be used. [**String (1)**]
ALLOW_SUP_TIME_EDIT_APPR	If true, then this user's supervisor may approve the time in the Supervisor Time Edit Activity. Valid values include: § **true (true)** - User's supervisor may approve the time in the Supervisor Time Edit Activity. § **false (false)** - User's supervisor may not approve the time in the Supervisor Time Edit Activity. § **Use Site Setting (*)** - Current site value will be used. [**BOOLEAN**]

COLUMN	Description/Default
APPR_REQ_FOR_EXPORT	If true, then approval is required before the user's labor record will be exported. Valid values include: § **true (true)** - Approval is required before the user's labor record will be exported. § **false (false)** - Approval is not required before the user's labor record will be exported. § **Use Site Setting (*)** - Current site value will be used. [**BOOLEAN**]
AUTO_CLOCK_OUT	If true, then auto-clock out the user at the end of the shift. This auto-clockout is performed by the Labor Rollup process. If the rollup process is not executed, then the auto-clockout won't take place. Valid values include: § **true (true)** - Auto-clock out the user at the end of the shift. § **false (false)** - Do not auto-clock out the user at the end of the shift. § **Use Site Setting (*)** - Current site value will be used. [**BOOLEAN**]
CLOCK_IN_CONTROL	Determines when and how the user may clock in/out. Valid values include: § **Automatic Clock-In at Login (A)** - The user is automatically clocked in at login time. § **Require Clock-In before Login (R)** - The user must be clocked in before the user is allowed to log in. § **Manual Clock-In (M)** - No check is made at login time. User must login manually. § **Use Site Setting (*)** - Current site value will be used. [**String (1)**]
CLOCK_IN_OUT_RANGE	Controls when the user may clock in/out. This is used in conjunction with the shift's clock in/out range. Valid values include: § **Within Interval (I)** - The user must clock in/out during the clock in/out interval. § **Within Interval and Shift (S)** - The user must clock in/out during the clock in/out interval and within the shift. § **Anytime (A)** - User may clock in/out anytime. § **Use Site Setting (*)** - Current site value will be used. [**String (1)**]
DEFAULT_WORK_CENTER_BO	The user's default work center. [**HANDLE**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

VENDOR

Defines a valid vendor that can supply components (purchased items).

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The unique handle for this record. **[HANDLE]**
SITE **(Required, Key)**	The Site this object is defined in. [**String (6)**]
VENDOR_CODE **(Required, Key)**	The vendor's code (ID). [**String (40)**]
VENDOR_NAME	The name of the vendor (used as description). [**String (256)**]
COMPONENT_CAN_BE_RECEIVED	If true, then components from the vendor may be received into inventory. [**BOOLEAN**]
COMPONENT_CAN_BE_CONSUMED	If true, then the vendor can supply components that may be consumed (assembled into assemblies). [**BOOLEAN**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

VENDOR_COMPONENT

Defines a specific component that this vendor may supply.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The unique handle for this record. **[HANDLE]**
VENDOR_BO **(Required, Key)**	The vendor this component is valid for. [**HANDLE**]
COMPONENT_BO **(Required, Key)**	The component that this vendor may supply. [**ITEM_BO**] [**HANDLE**]
START_DATE	The beginning of the period of time this component may be supplied by this vendor. [**DATE_TIME**]
END_DATE	The end of the period of time this component may be supplied by this vendor. [**DATE_TIME**]
COMPONENT_CAN_BE_RECEIVED	If true, then this component from the vendor may be received into inventory. [**BOOLEAN**]
COMPONENT_CAN_BE_CONSUMED	If true, then the vendor can supply this component that may be consumed (assembled into assemblies). [**BOOLEAN**]

VM_SUBSCRIPTION

Records a single subscriber to a VM's messages.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. **[HANDLE]**
SUBSCRIPTION_ID	A unique ID for a suscriber. [**INTEGER**]
HTTP_SERVER_BO	The server the subscription is for. [**HANDLE**]
SENDER	The sender (VM). [**String (256)**]
MSG_TYPE	The type of message that this subscribes wants to receive. [**String (32)**]
PRIORITY	The priority of this subscriber relative to other subscribers. Higher means higher priority. [**INTEGER**]

WI_ANNOTATION

This table provides the support for adding one (or more) Annotations to a Work Instruction attached to an SFC.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Handle to the Work Instruction Annotation. **[HANDLE]**
SITE	The site for this record. [**String (6)**]
ANNOTATION_ID **(Required, Key)**	A unique number used to support multiple annotations. [**LONG**]
DESCRIPTION	A description of the annotation which is entered by the user to identify the annotation. [**String (40)**]
WORK_INSTRUCTION_BO	Handle to Work Instruction. **[HANDLE]**
CHARACTER_DATA	The Character LOB data (e.g. XML, JSON, TEXT, etc.) associated with the annotation. [**String (2048)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was updated. [**DATE_TIME**]

WI_ANNOTATION_ASSIGNMENT

This table maintains the object(s) an annotation is assigned to.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	Handle to the Work Instruction Annotation Assignment. **[HANDLE]**
ASSIGNMENT_ID	A unique number used to support multiple assignments to same annotation. [**LONG**]
WI_ANNOTATION_BO	Handle to the Work Instruction Annotation. **[HANDLE]**
ASSIGNED_TO_GBO	Handle to the object the annotation is assigned to. **[HANDLE]**

WORKSTATION

This business object defines the basic workstation object. This workstation record is associated with a specific POD_CONFIG record.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
WORKSTATION **(Required, Key)**	The workstation's ID. [**String (128)**]
WORKSTATION_TYPE **(Required, Key)**	The type of workstation. Valid values include: § **Operation (O)** – Operation POD. § **Work Center (W)** – Work Center POD. § **Message Board (M)** – Message Board GUI. § **Mobile (C)** – Mobile POD. § **NC Stand Alone (N)** – Standalone NC GUI. § **Shop Workbench (F)** – Shop Workbench POD. § **As-built Configuration (A)** – As-built Configuration GUI. [**String (1)**]
DESCRIPTION	The workstation's description. [**String (40)**]
STATUS_BO	The status of this workstation. Defined in the Basic Status Group. [**HANDLE**]

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]

WORKSTATION_PRINTER

The list of printers associated with this workstation.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The unique handle for this record. **[HANDLE]**
WORKSTATION_BO **(Required, Key)**	The workstation this printer is defined for. [**HANDLE**]
DOCUMENT_TYPE_BO **(Required, Key)**	The type of document to be printed at this printer. [**HANDLE**]
PRINTER	The logical printer name for this printer. Passed to printing engine. [**String (256)**]
PRINTER_BO **(Required, Key)**	The type of printer to be used for printing the document. [**HANDLE**]

WORK_CENTER

This business object defines the Business Object level of the WorkCenter.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**

COLUMN	Description/Default
SITE **(Required, Key)**	The Site this is for. [**String (6)**]
STATUS_BO	The work center's status. [**HANDLE**]
WORK_CENTER **(Required, Key)**	The Work Center ID. [**String (36)**]
CAN_BE_RELEASED_TO	Can this Work Center be Released To? [**BOOLEAN**]
ROUTER_BO	Points to a Router. [**HANDLE**]
WC_CATEGORY	Defines the category of the work center. Valid values include: § **None (LEVEL0)**. § **Cell (LEVEL1)**. § **Cell Group (LEVEL2)**. § **Line (LEVEL3)**. § **Line Group (LEVEL)**. § **Building (LEVEL5)**. [**String (20)**]
WC_TYPE	The type of work center. This is an informational field (has no effect on processing). Valid values include: § Assembly (ASSEMBLY) - Assembly § Customer (CUSTOMER) - Customer § Dispatch (DISPATCH) - Dispatch § Diversion (DIVERSION) - Diversion § Fabrication (FABRICATION) - Fabrication § Production Control (PROD_CONTROL) - Production Control § Record Control (RECORD_CONTROL) - Record Control § Shipping (SHIPPING) - Shipping [**String (20)**]

COLUMN	Description/Default
ASSIGNMENT_ENFORCEMENT	Controls how lenient the assignment of work is handled within this work center. Users can be assigned to specific SFCs to be worked. This enforcement is normally checked during Starts. Valid values include: § **None (NONE)** - No Enforcement of the assignments. § **Warning (WARNING)** - User is warned when he/she attempts to work an SFC assigned to another user. This user may choose to work the SFC anyway. § **Enforced (ENFORCED)** - Only the user assigned to the work can perform the work. [**String (20)**]
ERP_INTERNAL_ID	The internal ERP ID number for this work center. [**Integer**]
IS_ERP_WORK_CENTER	If 'true', then this work center exists in ERP as a work center. [**Boolean**]
ERP_WORK_CENTER	The ERP Work Center identifier that this work center is known as. [**String(8)**]
ERP_CAPACITY_CATEGORY	The ERP capacity category that this Work Center belongs to. [**String(3)**]
STANDARD_VALUE_KEY_BO	The standard value key associated with a work center. [**HANDLE**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
PRODUCTION_SUPPLY_AREA	Production supply area. [**String(10)**]

WORK_CENTER_T

This table defines translations of descriptions for work center.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE **(Required)**	The handle for this object. This includes the WORK_CENTER_BO and LOCALE. [**HANDLE**]

COLUMN	Description/Default
LOCALE **(Required)**	Language code. [**String (7)**]
WORK_CENTER_BO **(Required)**	Reference to WORK_CENTER record. [**HANDLE**]
DESCRIPTION **(Required)**	Localized description value for the work center. [**String (40)**]

WORK_CENTER_MEMBER

This business object defines the Resources and WorkCenters that are in a WorkCenter.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
WORK_CENTER_BO **(Required, Key)**	The parent objects handle. [**HANDLE**]
WORK_CENTER_OR_RESOURCE_GBO **(Required, Key)**	WorkCenter or a Resource. [**HANDLE**] [**WorkCenterBO, ResourceBO**]
PRIMARY_WORK_CENTER	Is the parent WorkCenter the primary WorkCenter for this Resource? Applies only to Resources. [**BOOLEAN**]
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SEQUENCE	Determines the ordering of the resource within the work center. Not used for work centers within work centers. This can be null, which means there is no pre-defined ordering within the work center. [**INTEGER**]

WORK_INSTRUCTION

This business object defines the basic work instruction object. It controls what work instruction is displayed, how it is displayed, what data is collected and how the data is validated.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE **(Required, Key)**	The site for which this object is defined. [**String (6)**]
WORK_INSTRUCTION **(Required, Key)**	The Work Instruction (ID). [**String (128)**]
REVISION **(Required, Key)**	This work instruction's revision. [**String (20)**]
CURRENT_REVISION	The current revision of the work instruction. [**BOOLEAN**] [**String (1)**]
STATUS_BO	The status of this work instruction (from Product Definition Status Group). [**HANDLE**]
DESCRIPTION	The description of the work instruction. [**String (40)**]
URL	The URL that defines where the work instruction data is found. [**String (1024)**]
INSTRUCTION_DATA	The actual instruction (plain text or HTML). Only used if the SimpleInstruction=true. [**String (1024)**]
SIMPLE_INSTRUCTION	True if this work instruction is a simple work instruction. This means there is no external URL and the InstructionData field contains the instructions. [**BOOLEAN**]
TRACK_VIEWING	If true, then the viewing of this work instruction is tracked for each user and each ViewingContextGBO (SFCBO). This is tracked in the ViewingLogBO. [**BOOLEAN**]
REQUIRED	If true, then the work instruction will be display automatically in the POD [**BOOLEAN**]
CHANGE_ALERT	If true, then the work instruction has a change alert associated with it. This is normally displayed as a risk icon in the Rich POD. [**BOOLEAN**]
NEW_WINDOW	If true, then the work instruction is displayed in a new window. [**BOOLEAN**]
ERP_WI	If true, then the work instruction originated from ERP. [**BOOLEAN**]
ERP_FILENAME	This is the file name of the work instruction in ERP. [**String(256)**]

COLUMN	Description/Default
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last modified. [**DATE_TIME**]

WORK_INSTRUCTION_LOG

This object logs the detailed list of Work Instructions viewed by the user at specific Contexts (the SFCBOs).

Archived: Yes

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. **[HANDLE]**
SITE	The Site for this work instruction. [**String (6)**] (Expanded Archive Columns: **SITE**)
LOG_ID	A generated log id that provides uniqueness to records. The combination VIEW_CONTEXT_GBO, WORK_INSTRUCTION_BO, USER_BO would provide uniqueness only if timestamp column were added to the handle. [**String (20)**] (Expanded Archive Columns: **LOG_ID**)
VIEWING_CONTEXT_GBO **(Required, Key)**	The context this work instruction was viewed for (normally an SFCBO). [**HANDLE**] (Expanded Archive Columns: **VIEWING_CONTEXT_SITE, VIEWING_CONTEXT_SFC**)
USER_BO **(Required, Key)**	The user that viewed the work instruction. [**HANDLE**] (Expanded Archive Columns: **USER_SITE, USER_ID**)
DATE_TIME **(Required, Key)**	The date/time this work instruction was viewed.
WORK_INSTRUCTION	The work instruction that was viewed. [**String (128)**] (Expanded Archive Columns: **WORK_INSTRUCTION**)
REVISION	The work instruction revision. [**String (20)**] (Expanded Archive Columns: **REVISION**)

COLUMN	Description/Default
ORIGINAL_CONTEXT_GBO	The original context this work instruction was viewed for (normally an SFCBO). [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was last updated. [**DATE_TIME**]

WORK_INSTRUCTION_MASTER

The Work Instruction Master.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
SITE	The work instruction site. [**String (6)**]
WORK_INSTRUCTION	The work instruction that this is the master for. [**String (128)**]
EFFECTIVITY_CONTROL	The effectivity control in effect for the work instruction revision family. [**String (1)**]

XSLT

This table is no longer used by core SAP ME.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
USER_BO	The user who uploaded this xslt document. **[HANDLE]** [**HANDLE**]

COLUMN	Description/Default
FILE_NAME	The name of the XSLT file. [**String (256)**]
FILE_SIZE	The file size of the XSLT file. [**INTEGER**]
FILE_CONTENT	The XML file content of this XSLT file. [**Long**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was modified. [**DATE_TIME**]

XSLT_ASSIGNMENT

This table is no longer used by core SAP ME.

Archived: No

Audit Logged: Yes

Site-To-Site: No

COLUMN	Description/Default
HANDLE	The handle for this object. This is a unique value made up of the key fields in the object. [**String (412)**]
USER_BO	The user who did this assignment. **[HANDLE]** [**HANDLE**]
NAME	The name of the interface. [**String (40)**]
XSLT_BO	Specifies XSLT to be used for transforming the SAP ME request message and ERP request message into each other. **[HANDLE]** [**HANDLE**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]
MODIFIED_DATE_TIME	The date/time this record was modified. [**DATE_TIME**]

XSRF_TOKEN

Defines a token to prevent XSRF (Cross Site Request Forgery) attacks.

Archived: No

Audit Logged: No

Site-To-Site: No

COLUMN	Description/Default
TOKEN	The XSRF token used to prevent cross site request forgery attacks. This token is part of valid requests to the server. [**String (32)**]
CREATED_DATE_TIME	The date/time this record was created. [**DATE_TIME**]