

## Create and Maintain Parts

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### 1.0 **PURPOSE**

This procedure defines the requirements for part object lifecycle states between Windchill and SAP.

### 2.0 **REFERENCES**

#### 2.1 **Applicable Documents**

Number	Title
86052	Obsolescence Planning
86066	GTIN Request Work Instructions
86324	BOM Import
86868	Product Rationalization
87114	Guide to Create and Maintain Parts
87117	Create and Maintain Document and Part Structure.

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Number	Title
87169	Part Data
87170	Part Extension
87274	SAP Master Data Field Task List
90123989	Material Compliance Requirement (CATD)

### 2.2 External References

Number	Title
N/A	N/A

### 3.0 RESPONSIBILITIES

Function or Title	Responsibility
Creator/Editor (C/E)	<ul style="list-style-type: none"> <li>• Creates part in Windchill according to the requirements defined in this procedure.</li> <li>• Creates and updates structure within Windchill.</li> <li>• Completes GTIN Request Form identifying all materials intended for distribution.</li> </ul>
Manufacturing Engineering/ Process Development (ME/ PD)	Assists C/E to ensure: <ul style="list-style-type: none"> <li>• Part type is correct.</li> <li>• Base Unit of Measure is correct.</li> <li>• Affected Sites are identified.</li> <li>• Document and part structure is accurate</li> <li>• Non change controlled ME / PD data in SAP is accurate.</li> <li>• Change controlled ME / PD data is accurate in all systems.</li> </ul>
Quality Engineering / Development Quality (QE/DQ)	Assists C/E to ensure: <ul style="list-style-type: none"> <li>• Part type is correct.</li> <li>• Affected Sites are identified.</li> <li>• Document and part structure is accurate.</li> <li>• Non change controlled Quality data in SAP is accurate.</li> <li>• Change controlled Quality data is accurate in all systems</li> </ul>
Regulatory	<ul style="list-style-type: none"> <li>• Determines if material is GUDID applicable.</li> <li>• Completes activity relating to end of life.</li> </ul>

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Function or Title	Responsibility
Supply Chain	Assists C/E to ensure: <ul style="list-style-type: none"> <li>• Part type and attributes are accurately in the Lifecycle Promotion Request.</li> <li>• Information is entered into the Part Data and/or Part Extension Forms where appropriate.</li> <li>• Non change controlled Supply Chain data in SAP is accurate.</li> <li>• Change controlled Supply Chain data is accurate in all systems.</li> </ul>
Task Owner (Other)	Assists C/E to ensure: <ul style="list-style-type: none"> <li>• Non change controlled data managed by the task owner in SAP is accurate.</li> <li>• Change controlled data managed by the task owner is accurate in all systems.</li> </ul>

### 4.0 DEFINITIONS

Term	Definition
Attribute	Fields populated on an object that define its use.
Bill of Materials (BOM)	A structure that defines the parts and quantities needed to manufacture a product.
Change Order (CO)	An object that allows planning, managing, monitoring, and approval of new/revised objects of the change activities.
Child	An object one level under the Parent object in Windchill.
Inactive (Phase Out)	A lifecycle state when objects are no longer intended for use, but may be used to complete work in progress.
Lifecycle Promotion Request	Part promotion requests that can be used to manage part information and promote lifecycle state from Creation to Creation Approved or Draft.
Lifecycle State	The status of an object in Windchill.
Obsolete	A lifecycle state where the object is identified as no longer being used.
Part Object	A part controlled in Windchill.
Parent	A top level object in Windchill.

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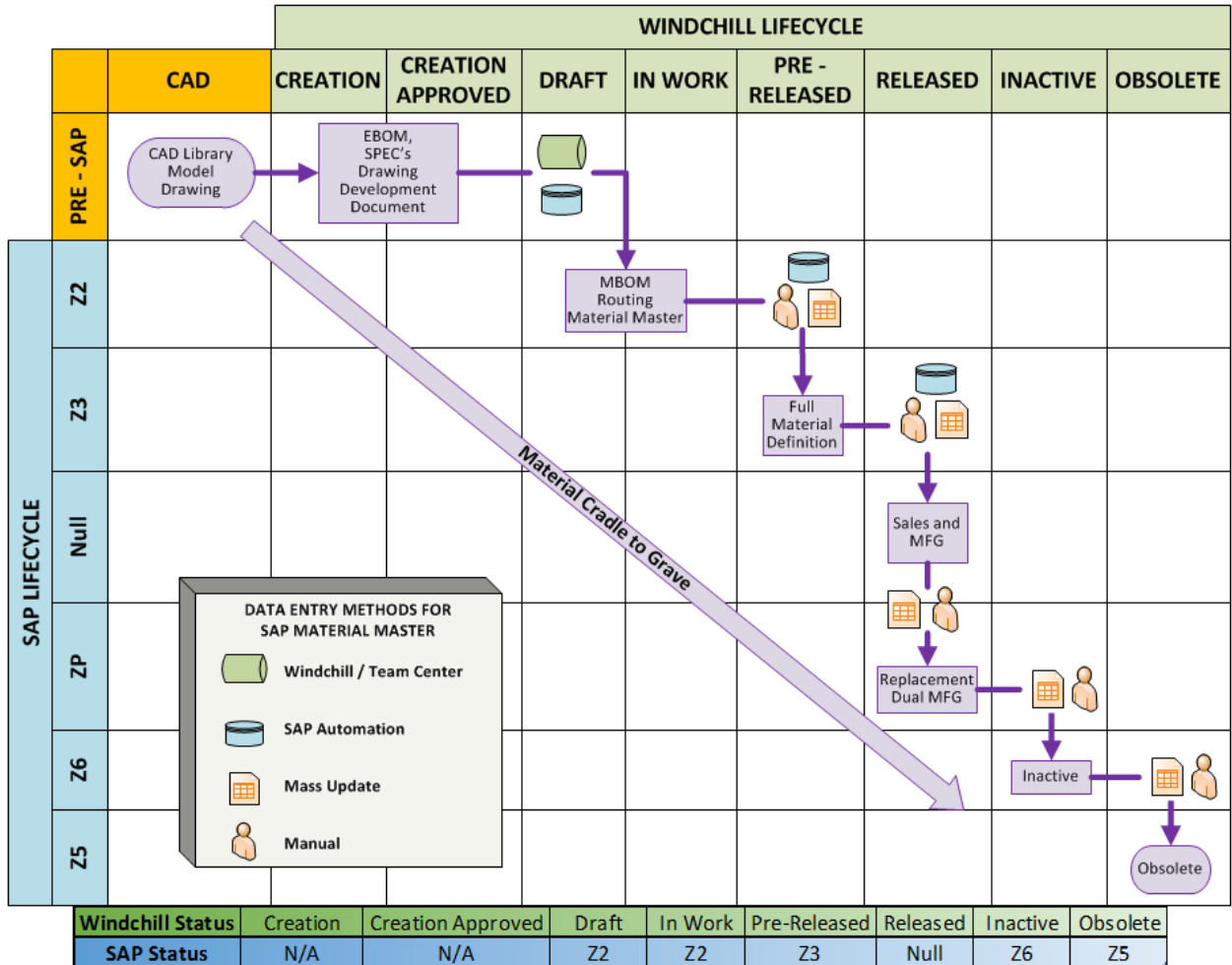
Term	Definition
Pre-Released	A lifecycle state where the object is available for development activities.
Released	A lifecycle state where the object is available for production activities.
Revision	A change that affects the lifecycle state of a Pre-Released or Released object in SAP.
SAP	Enterprise Resource Planning (ERP), a business operating system used to manage finances, assets, costing, production operations materials, plants and executions of a common set of data and programs.
Substitute Part	A part that can replace the primary part in a specific product structure.
Version	<p>An identifying letter or number which is used to identify the implementation, or pending implementation, of a change to a particular object as part of a change order.</p> <p><b><u>NOTE:</u> Alpha versions not used in Windchill are I, O, and Q.</b></p>
Windchill	Product Lifecycle Management (PLM) system used to manage objects associated with the lifecycle of a product from its conception to its obsolescence.
X-Plant Status	An SAP change controlled field displayed on the Basic Data 1 tab populated by Windchill Lifecycle state.
ZINC/ZCBM/ZENG orders	Order types utilized within SAP to perform Engineering Work Orders.

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### 5.0 FLOW CHART

#### Lifecycle States for Parts

**NOTE:** A part may not go through every Lifecycle state.



## Create and Maintain Parts

### 6.0 REQUIREMENTS

#### 6.1 General Part Object Information

Step	Action
1	<p>The part lifecycle state is maintained in Windchill (WC) and is aligned with SAP. The part lifecycle in Windchill aligns with the SAP X-Plant status, with the exception of SAP statuses Z4 (Quality Hold) and ZP (Phase Out pending)</p> <p><b><u>NOTE:</u> Plant specific status may not align with SAP X-plant status.</b></p>
2	<p>Attributes and structure can be entered as information is acquired, but they are covered in this procedure at the point in which they are required to achieve a lifecycle state.</p>
3	<p>A Part Object does not require a version change when it is undergoing a lifecycle change only and no attributes/structure are being updated.</p> <p><b><u>NOTE:</u> Windchill and SAP requirements may drive version changes for some lifecycle changes.</b></p>
4	<p>Part Extensions are utilized to extend a released part number to another existing SAP plant. If this activity is performed by Documentation Services, a Non-Rev Change Order is required. Use the Part Extension Form to indicate the additional data required for the extension.</p> <p><b><u>NOTE:</u> Parts at an In Work state can be extended when objects are routing on a CO.</b></p>
5	<ul style="list-style-type: none"> <li>• Refer to Appendix A: Part Object Attributes for a list of attribute types along with descriptions of how the part attributes are utilized/entered. Appendix A also shows the minimum attribute requirements by lifecycle state.</li> <li>• Refer to Appendix B: Part Type for Part Type names and Descriptions of how the part types are used.</li> <li>• Refer to 87114, Guide to Create and Maintain Parts on managing part information and lifecycle state from Creation to Creation Approved or Draft.</li> <li>• Refer to 87123, Create and Manage Change Order WI, for managing part information, versions, and lifecycle states.</li> </ul>
6	<p>To request a BOM import, attach 86324, BOM Import Form as part of the Change Activity for the release of the part(s). Assign a Change Specialist from Documentation Services group a Change Activity task to import the BOM.</p> <p><b><u>NOTES:</u></b></p> <ul style="list-style-type: none"> <li>➤ <b>Select the instructions found at the top of each column on the form for guidance</b></li> <li>➤ <b>When filling out 86324 do not reformat the spreadsheet and do not change the default type for column Q: "wt.part.WTPartUsageLink".</b></li> </ul>

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### 6.1 General Part Object Information

Step	Action
7	<p><b>Documentation Services Task Only:</b></p> <ul style="list-style-type: none"> <li>• ZMODs are not revision controlled. ZMOD is set to Released state upon or before releasing ZFIN(s).</li> <li>• <b>Load Legacy Parts:</b> <ul style="list-style-type: none"> <li>○ This option is for part(s) that exist in SAP ONLY.</li> <li>○ For Loading Multiple parts, the parts must be of the same type.</li> <li>○ The revision defines the selection of the State attribute. <ul style="list-style-type: none"> <li>▪ For Alpha parts, the State selection is In Work.</li> <li>▪ For Numeric parts, the State selection is Draft.</li> </ul> </li> <li>○ A Change Order is required to obtain the state of Pre-Released or Released.</li> </ul> </li> </ul>

### 6.2 Lifecycle State: Creation

Step	Action
1	<p><b>Creation State</b></p> <ul style="list-style-type: none"> <li>• Creation state is used during the concept and design phases of a new part, allowing part development (e.g., structure, BOM, drawings) without locking any attributes or behaviors until such are understood and ready to be locked.</li> <li>• Creation state is the initial state assigned to a new part number created in Windchill.</li> <li>• Creation state is a WC status only; parts do not exist in SAP at this lifecycle state.</li> <li>• All attributes are editable during the Creation state.</li> <li>• Part objects are able to utilize revision tracking in WC. When undergoing editing, the states will be Creation and Creation Approved for the latest approved numeric revision.</li> </ul>
2	<p><b>Establishing/Editing a Creation State Part</b></p> <ul style="list-style-type: none"> <li>• Part objects are created in the Production Library only.</li> <li>• New part objects require: <ul style="list-style-type: none"> <li>○ Part Type</li> <li>○ Name</li> <li>○ Number (assigned by WC)</li> </ul> </li> <li>• Refer to 87114, Guide to Create and Maintain Parts.</li> <li>• Utilize the Lifecycle Promotion Request to track and approve changes to part objects in the Creation State. <ul style="list-style-type: none"> <li>○ Lifecycle Promotion Request requires a minimum of one Promotional Approver to promote a part to a Creation Approved state.</li> </ul> </li> </ul>

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### 6.3 Lifecycle State: Draft

Step	Action
1	<p><b>Draft State</b></p> <ul style="list-style-type: none"> <li>• Draft state is a required lifecycle state used to push a part number into SAP (attribute - PLM only: No) or to designate a part object in WC only (attribute - PLM only: Yes).</li> <li>• The Draft state in Windchill aligns with Z2 in SAP.</li> <li>• Promotion to Draft state is not a version change.</li> <li>• <u>PLM-only</u> part objects should move to Draft when it is determined that they will be PLM-only.</li> <li>• <u>SAP</u> part objects (PLM only: No) should move to Draft when the Creator/Editor (C/E) is able to populate the following fields permanently:               <ul style="list-style-type: none"> <li>○ Part Type</li> <li>○ Lab Office</li> <li>○ Base Unit of Measure</li> </ul> </li> </ul> <p><b><u>NOTE:</u> The Part Type, Lab Office, and Base Unit of Measure attributes cannot be changed once parts are integrated into SAP.</b></p> <ul style="list-style-type: none"> <li>• SAP (PLM only: No) parts in a Draft state can be placed on a ZINC order type, allowing for build traceability to a SAP production order number.</li> </ul>
2	<p><b>Promoting Part to Draft State</b></p> <ol style="list-style-type: none"> <li>a) Populate the required Draft state attributes per Appendix A.</li> <li>b) Promote the part object to Draft state using a Lifecycle Promotion Request.</li> </ol> <p><b><u>NOTE:</u> Lifecycle Promotion Request to Draft state requires approval by Supply Chain.</b></p>



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### 6.4 Lifecycle State: Pre-Released

Step	Action
1	<p><b>Pre-Released State</b></p> <ul style="list-style-type: none"> <li>• Pre-Released state is used during development phase of a part.</li> <li>• For SAP (PLM only: No) parts, Pre-Released state in WC aligns with Z3 in SAP.</li> <li>• The Windchill state will be Draft during editing and Pre-Released for the latest approved numeric version.</li> <li>• Part objects are not required to go to Pre-Released state. They can go directly from Draft to Released or Obsolete if the required attributes, structure, and associated documentation requirements are met.</li> <li>• SAP (PLM only: No) parts in a Pre-Released state can utilize the functionality of ZCBM and ZENG order types.</li> <li>• SAP (PLM only: No) parts at a Pre-Released state have purchasing/planning functionality and are able to be transacted/inventoried in SAP.</li> </ul>
2	<p><b>Promoting Parts to Pre-Released State</b></p> <p>a) Structure the part objects, including the following as applicable:</p> <ul style="list-style-type: none"> <li>• Parent/Child part objects relationships (BOM).</li> <li>• Specifications, system required.</li> </ul> <p>a) Populate the remaining required Pre-Released attributes per Appendix A.</p> <p>b) Execute a Change Order with a target state of Pre-Released to obtain a Pre-Released state.</p>

### 6.5 Lifecycle State: Released

Step	Action
1	<p><b>Released State</b></p> <ul style="list-style-type: none"> <li>• For SAP (PLM only: No) parts, Released state in WC aligns with Null (Blank) X-Plant Status in SAP.</li> <li>• The Windchill state will be In Work while editing and Released for the latest approved version.</li> <li>• Parent/Child structure is required for Released status (including both part and document structuring, as applicable). See 87117, Create and Maintain Document and Part Structure.</li> <li>• If a part object is being abandoned (no longer needed for business reasons) and is at Draft (Z1 or Z2), or Pre-Released (Z3) it is recommended for that part object to skip Released (Null) and go directly to Obsolete (Z5).</li> </ul>

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### 6.5 Lifecycle State: Released

Step	Action
2	<p><b>Promoting Parts to Released State</b></p> <p>a) Structure the part objects, including the following as applicable:</p> <ul style="list-style-type: none"> <li>• Parent/Child part objects relationships (BOM).</li> <li>• Specifications, system required</li> <li>• ERP Routing</li> <li>• Manufacturing Documents (e.g., Manufacturing Procedure, Inspection Procedure, Receiving Inspection Procedure)</li> </ul> <p>b) Populate the remaining required Released state attributes per Appendix A.</p> <p>c) Execute a Change Order with a target state of Released to obtain a Released state.</p> <p><b>NOTE:</b> For all materials intended for distribution to meet business requirements and UDI compliance, follow 86066, the GTIN Request Work Instructions.</p>

### 6.6 Lifecycle State: Phase Out Pending (SAP Status Only)

Step	Action
1	<p><b>Phase Out Pending State</b></p> <ul style="list-style-type: none"> <li>• Phase Out Pending is an SAP-only status of ZP. Phased Out Pending parts will appear in WC as Released.</li> <li>• Because this is an SAP-only status, it is not applicable to PLM-Only part objects.</li> <li>• Phase Out Pending status generates signals to different functions that this part is not intended to be manufactured any more, but that existing inventory can and should be used. Signals include:             <ul style="list-style-type: none"> <li>○ Warnings to users before creating Production Orders and Purchase Orders.</li> <li>○ Warnings for planned orders or purchase requisitions that are being created during the MRP Net Change or Full Regen (these are Supply Chain Functions).</li> </ul> </li> <li>• Acts as a field for reporting purposes for MRP material status in SAP.</li> <li>• Parts at Phase Out status require continued maintenance equivalent to Released state in WC.</li> </ul>
2	<p><b>Setting Parts to Phase Out Status</b></p> <p>Phase Out Pending is not Changed Controlled. Setting the SAP status to Phase Out Pending is a Planner function that can be performed (or undone, if necessary) when the Planner is made aware of the intent to stop manufacturing.</p>

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### 6.7 Lifecycle State: Inactive

Step	Action
1	<p><b>Inactive State</b></p> <p>The Inactive state is used when there is existing inventory to be sold/used, but there is no intention to manufacture/buy the part.</p> <p><b>NOTE: Per structuring requirements, a child part cannot be moved to Inactive state and remain on a Released parent BOM. The Inactive child must be removed from the BOM structure.</b></p> <ul style="list-style-type: none"> <li>• Inactive state in WC aligns with the Z6 status in SAP.</li> <li>• Only Released/In-Work parts can be promoted to an Inactive state. Other states cannot be promoted to Inactive.</li> <li>• Inactive parts can ship on Sales Orders (SO) &amp; Stock Transport Orders (STO), and can be reworked and repacked.</li> <li>• Parts in an Inactive state generate a hard error to users creating a standard Production Order. However, Inactive parts still allow for rework and repack orders.</li> <li>• Parts in an Inactive state are no longer maintained or updated (including: BOM/Routing/Structuring, etc.).</li> <li>• Finance does not mark Inactive parts for cost rolls. The last standard cost for the item will not change.</li> <li>• Supplier Network Planning (SNP) will continue to deploy existing inventory at the plant specific even if the designation is set to Z6 but, it will not create procurement proposals (Special Transfer Requests - STR's) from their source plant if the plant specific SAP designator is set to Z6.</li> <li>• For Inactive parts to be properly planned, it is necessary for the X-Plant statuses and specific plant statuses to align as follows:             <ul style="list-style-type: none"> <li>○ For Manufacturing Plants: The manufacturing plant status for any make (Type E) items shall match the X-Plant status.</li> <li>○ For Distributing Plants: The Planner is responsible for moving the specific distribution plant statuses to Z6 when they do not need to procure product from their source location.</li> </ul> </li> </ul>

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### 6.7 Lifecycle State: Inactive

Step	Action
2	<p><b>Promoting Parts to Inactive State</b></p> <p>a) Execute a Change Order with a Target state of Inactive to promote the part object(s) to Inactive.</p> <ul style="list-style-type: none"> <li>• Perform the following activities:               <ul style="list-style-type: none"> <li>○ Disposition any potential remaining inventory.</li> <li>○ Verify the structure of a specification document to the part object.</li> </ul> </li> </ul> <p><b>NOTE: A CO with a target state of Inactive will move all materials on the CO to an Inactive state..</b></p> <p>b) Once a part has been inactivated and it becomes necessary to re-activate that part, a Change Order with a target state Released is required.</p> <ul style="list-style-type: none"> <li>• Evaluate and update (as necessary) all objects affected by the part inactivation to meet Released state requirements including but, not limited to:               <ul style="list-style-type: none"> <li>○ Object Attributes</li> <li>○ BOM</li> <li>○ Structure</li> <li>○ Specifications</li> <li>○ ERP Routing</li> <li>○ Manufacturing Documents</li> </ul> </li> </ul>

### 6.8 Lifecycle State: Obsolete

Step	Action
1	<p><b>Obsolete State</b></p> <ul style="list-style-type: none"> <li>• Refer to 86052 for Obsolescence Planning.</li> <li>• The Obsolete state is used when a part will no longer be manufactured, sold, or returned. Only scrap transactions can be performed for Obsolete parts.</li> </ul> <p><b>NOTE: The only scrap transactions that can be completed will be for the plant in which the inventory exists. Scrap cannot be transferred to another plant for execution of the scrap transaction.</b></p> <ul style="list-style-type: none"> <li>• A part can move directly to Obsolete from any other state when it is determined that obsolescence is necessary.</li> <li>• After a part has been promoted to Obsolete, it may not be revised to any other state.</li> </ul>

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### 6.8 Lifecycle State: Obsolete

Step	Action
2	<p><b>Promoting Parts to Obsolete State</b></p> <ol style="list-style-type: none"> <li>a) Per 86868, Product Rationalization the cross-functional team meets to identify materials targeted for obsolescence.</li> <li>b) Total inventory valuations are calculated and presented to the appropriate financial team for review. The financial team determines required financial reserves needed for planned scrap.</li> <li>c) A Change Order is created with target state obsolete</li> <li>d) After approval of the Change Order and prior to release of the Change Order, identify and close all open SAP transactions (Purchase Orders, Production Orders, Open Sales Orders, Material Transfers and PO's in transit).</li> <li>e) After close of all appropriate documentation and release of the Change Order the affected materials will move to an obsolete state.</li> </ol>
3	<p>After release of the Change Order, the following actions are required:</p> <ul style="list-style-type: none"> <li>• Scrap all identified inventories, consolidate scrap to pre-agreed financial reserves</li> <li>• After all inventories has been depleted; contact Regulatory to release the Additional Release Authorizations (ARAs) to cancel the affected GTS licenses. Regulatory is also responsible for updating regulatory documents to obsolete any ZMODs (e.g., DOCs, STEDs) associated with the part being made obsolete.</li> <li>• Contact Marketing to notify them of parts and/or models that are being made obsolete. Marketing will identify customer facing material that should be updated and will initiate customer notification.</li> </ul> <p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>➤ <b>A CO with a target state of Obsolete will move all materials on that CO to an Obsolete state.</b></li> <li>➤ <b>Windchill and SAP requirements may drive the need to populate specific SAP fields when promoting parts to Obsolete.</b></li> </ul>

### 7.0 APPENDICES

Appendix A: Part Object Attributes

Appendix B: Part Type

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### APPENDIX A: PART OBJECT ATTRIBUTES

Windchill Part Attributes				
Attribute Name (WC)	Attribute Name (SAP)	Description	Attribute Required At	Integrated to SAP
<b>Required at Creation:</b>				
Number	Material	Assigned by Windchill.	At Creation	Yes
Name	Description	Limited to 40 characters including spaces.	Available to edit throughout lifecycles	Yes
Type	Type	Select the part type that applies to the material (see Appendix B).	Entered at Creation, locked when promoted to Draft	Yes
<b>Required for Draft State:</b>				
PLM Only	N/A	<u>No</u> = Part will be integrated in SAP. <u>Yes</u> = Part that will exist in the Windchill only, it will not be integrated to SAP. (e.g. subcomponent of a purchased part)	Locked when promoted to Draft	N/A
Lab/Office	Lab/Office	Select the site that owns the product design. <b>NOTE: The Design Owner designated by the Lab/Office attribute is required to maintain the Material and BOM in SAP.</b>	Locked when promoted to Draft	Yes
Base UOM	Base Unit of Measure	Enter the Unit of Measure by which the material will be consumed (e.g., each, gram) <b>NOTE: Alternate Units of Measure can be entered in SAP directly for uses such as purchasing.</b>	Locked when promoted to Draft	Yes
<b>Required for Pre-Released State:</b>				
Creation and Draft attributes are required to be set for Pre-Released State				
Affected Products	N/A	Select the appropriate affected products.	Available to edit throughout lifecycles	N/A
Affected Site(s)	Plant	Select the Lab Office and all site(s) where the part is Manufactured or Distributed. <b>NOTE: The Material and/or BOM are extended to the Manufacturing or Distribution sites.</b>	Available to edit throughout lifecycles	N/A

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Windchill Part Attributes				
Attribute Name (WC)	Attribute Name (SAP)	Description	Attribute Required At	Integrated to SAP
Source	Procurement Type	Make (E), Buy (F) <ul style="list-style-type: none"> <li>• <b>Make</b> = Abbott manufactures/processes the part and will require BOM structure and specification.</li> <li>• <b>Buy</b> = Abbott does not manufacture the part. This can be a raw material or subassembly that is used in a higher level buy object, but is never manufactured or processed by Abbott.               <ul style="list-style-type: none"> <li>○ A Buy item will not have a BOM.</li> <li>○ A Buy item will not have a Work Scheduling Tab.</li> </ul> </li> </ul> <p><b>NOTE: Procurement type Both (X) and WC Source Make and Buy is not to be used.</b></p>	Set at Draft Approved state	No
Default Trace Code	N/A	Traceability for the part is by Lot, Serial Number, Lot/Serial, or Untraced. <p><b>NOTE: Default to Lot, not actively associated to SAP information.</b></p>		N/A
Product Segment(s)	N/A	Select the product segment that supports the affected product line.		N/A
Base Quantity	Base Quantity	Enter the base quantity (Default is 1) Qty of sellable units in shelf box. Only available on ZFIN and ZSMI <p><b>NOTE: Base Quantity is in the SAP BOM Header Overview</b></p>	Set at Pre-Released state	Yes
<b>Required for Released State:</b> Creation, Draft, and Pre-Released attributes will be required to be set for Released State				
Is material intended for distribution?	N/A	Select Yes or No Question applicable for ZRAW, ZSMI, ZNVL, ZFIN	Set at Released state	N/A
Is material GUDID applicable?	N/A	Select Yes or No Material GUDID applicable for ZRAW, ZSMI or ZFIN	Set at Released state	N/A
ROHS Compliant	N/A	Select the appropriate response to document if the part is required to be compliant to the RoHS directive.	Set at Released state	N/A

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Windchill Part Attributes				
Attribute Name (WC)	Attribute Name (SAP)	Description	Attribute Required At	Integrated to SAP
REACH Compliant	N/A	Select the appropriate response to document if the part is required to be compliant to the REACH directive.	Set at Released state	N/A
NRTL	N/A	Select Yes or No	Set at Released state	N/A
Does this replace another Finished Good?	N/A	ZFIN only Select Yes or No If Yes, Replaces Finished Good attribute is required.	Set at Released state	N/A
Replaces Finished Good	N/A	Enter ZFIN material	Set at Released state	N/A
Refurbished Part	N/A	For ZFIN, ZSMI, ZRAW Select Yes if refurbished material.	Set at Released state	N/A
General Attributes:				
Comments	N/A	If needed, enter any comments about the part.	Set at Released state	N/A
Legacy/X Ref Number	N/A	If part had another number under a legacy system, enter it here.	Set at Released state	N/A
Shared PLM System	N/A	This attribute identifies parts that need to be kept in sync between Windchill and TeamCenter or Windchill and Terumo Windchill when changes are made. <ul style="list-style-type: none"> <li>• Select TeamCenter, if the part is also maintained in TeamCenter.</li> <li>• Select SJM_Terumo, if the part is also maintained in the Terumo Windchill Library.</li> </ul>	Set at Released state	N/A
MES Initial Queue	N/A	Attribute maintained by affected site MES Specialist.	None	N/A
MES Initial Step	N/A	Attribute maintained by affected site MES Specialist	None	N/A
MES Integrated	N/A	Attribute maintained by affected site MES Specialist	None	N/A
MES Route	N/A	Attribute maintained by affected site MES Specialist	None	N/A



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Windchill Part Attributes				
Attribute Name (WC)	Attribute Name (SAP)	Description	Attribute Required At	Integrated to SAP
Create CAD Document	N/A	Do not use	None	N/A
Part Sub Type	N/A	Utilized for further classification of products	None	N/A
Material Group	N/A	Utilized for further classification of products	None	N/A

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### APPENDIX B: PART TYPE

Part Type		
WC Type	SAP Type	Description
Equipment	N/A	<ul style="list-style-type: none"> <li>Intended for creating a part number for equipment that is not used in product build.</li> <li>This part type is PLM Only.</li> </ul>
Finished Good	ZFIN	<ul style="list-style-type: none"> <li>Completed product typically intended for distribution.</li> <li>Items that can be sold individually, even if also able to be consumed into another ZFIN.</li> </ul>
Model Number (Reorder Number)	ZMOD	<ul style="list-style-type: none"> <li>Customer reorder number and/or number filed with the regulatory or customs agency in each country. The ZMOD part type cannot carry inventory. ZMOD is linked to one or many materials that are stocked, picked, and shipped to fill orders.</li> <li>ZMODs are not revision controlled. ZMODs must be Released at or before the associated ZFINs are Released. A Pre-Released task will be assigned to a Library Admin to set the state.</li> </ul>
Non-Stock Material	ZNST	<ul style="list-style-type: none"> <li>Material that is not stocked.</li> <li>ZNST materials are expensed upon receipt.</li> </ul>
Non Value	ZNVL	<ul style="list-style-type: none"> <li>Part that is maintained in inventory management to assure reorder points and visibility to stock on hand is available but carries no cost or value in inventory (parts that are used in production, such as Q-tips, chemicals, gloves).</li> <li>ZNVL materials are expensed upon receipt.</li> </ul>
Product Family Group	N/A	<ul style="list-style-type: none"> <li>Intended to categorize a grouping of Models.</li> <li>This part type is PLM Only.</li> </ul>
Product Literature	ZLIT	SJM Product Literature. This does not include Instructions for Use or their artwork but it does include market brochures, sell sheets, posters.
Raw Material	ZRAW	Parts procured externally and then processed (e.g., Electrodes, shelf boxes, pouches, trays, collagen). Source must be a Buy. <b><u>NOTE: A ZRAW cannot have a BOM.</u></b>
Semi Finished Good	ZSMI	Assembly that may be procured externally or manufactured in-house (e.g., non-packaged subassemblies, molded parts, extruded parts (make parts). If procured externally the source must be a buy.
Trade Good	ZTRG	Item procured externally and then sold as an Abbott product. No longer allowed for new parts.