

Opcenter EX EL Entities				Opcenter Execution Core Model Entities			
DB Name	Entity	Attribute	Entity	Attribute	Entity exposed by EX CR Model	UI	Mapping Info
CEPdb	bom	<site id>		BillOfMaterial			
CEPdb	bomBase or bom	bomId		BillOfMaterialSiteId			
CEPdb	bom	bomName or BomId		BillOfMaterialKey	BILLOFMATERIAL		
CEPdb	bom	Description		Name			
CEPdb	bom	---		Description			
CEPdb	bom	---		Quantity			
CEPdb	bom	---		UomKey			
CEPdb	bom	---		MaterialDefinitionId			
CEPdb	bom	---					
CEPdb	ProductMaterialListitem	<site id>		BillOfMaterialItem			
CEPdb	ProductMaterialListitem	ProductMaterialListitemId		BillOfMaterialItemSiteId			
CEPdb	ProductMaterialListitem	<site id>		BillOfMaterialItemKey	BILLOFMATERIALITEM		
CEPdb	ProductMaterialListitem	BOMId		BillOfMaterialId			
CEPdb	Product	<site id>		MountingTechnologyId			
CEPdb	Product	ES_MountingTechnology					
CEPdb	ProductMaterialListitem	ProductMaterialListitemName		Name			
CEPdb	ProductMaterialListitem	ReferenceDesignator		Description			
CEPdb	ProductMaterialListitem	<site id>		MaterialDefinitionId			
CEPdb	ProductMaterialListitem	ProductId					
CEPdb	ProductMaterialListitem	QtyRequired		Quantity			
CEPdb	UOM	UOMName		UomKey			
CEPdb	Container	<site id>		Container			
CEPdb	Container	ContainerId		ContainerSiteId			
CEPdb	Container	ContainerName		ContainerKey	CONTAINER		
CEPdb	Container	ContainerComments		Name			
CEPdb	Container	InProcess		Description			
CEPdb	CurrentStatus	InRework		IsInProcess			
CEPdb	CurrentStatus	IsInWork		IsInWork			
CEPdb	Container	IsFailed		IsFailed			
CEPdb	ContainerLevel	CASE ES_LevelType WHEN 1 THEN 'PANEL' WHEN 2 THEN 'PCB' WHEN 3 THEN 'COMPONENT' ELSE 'OTHER'		LevelName			
CEPdb	Container	ES_PrimarySerialNumber		SerialNumber			
CEPdb	Container	<site id>		ContainerStatusId			
CEPdb	Container	Status					
CEPdb	ContainerClass	<site id>		ContainerClass			
CEPdb	ContainerLevel	ContainerLevelId		ContainerClassSiteId			
CEPdb	ContainerLevel	ContainerLevelName		ContainerClassKey	CONTAINERLEVEL		
CEPdb	ContainerLevel	Description		Name			
CEPdb	Container	<site id>		Description			
CEPdb	Container	ContainerId		ContainerContainerClass			
CEPdb	Container	<site id>		ContainerContainerClassSiteId			
CEPdb	Container	LevelId		ContainerContainerClassKey			
CEPdb	Container	<site id>		ContainerClassId			
CEPdb	Container	ContainerId		Containerid			
CEPdb	HistoryMainline, HistoryCrossRef	<site id>		ContainerCorrelation			
CEPdb	HistoryMainline, HistoryCrossRef	HistoryMainlineId +_> HistoryCrossRefId		ContainerCorrelationSiteId			
CEPdb	HistoryCrossRef	<site id>		ContainerCorrelationKey			
CEPdb	HistoryCrossRef	TrackingId		Containerid			
CEPdb	HistoryCrossRef	<site id>		ParentContainerId			
CEPdb	HistoryCrossRef	HistoryId		ContainerOperationId			
CEPdb	HistoryMainline	<site id>		ContainerCurrentStatus			
CEPdb	HistoryMainline	HistoryMainlineId		ContainerCurrentStatusSiteId			
CEPdb	CurrentStatus, Container	<site id>		ContainerCurrentStatusKey	CURRENTSTATUS		
CEPdb	CurrentStatus	CurrentStatusId +_> ContainerId		ContainerCurrentStatus			
CEPdb	CurrentStatus	CurrentStepPass		CurrentStepPss			
CEPdb	CurrentStatus	<site id>		FactoryId			
CEPdb	CurrentStatus	FactoryId		LastMoveDate			
CEPdb	CurrentStatus	LastMoveDate		LastMoveDateGMT			
CEPdb	CurrentStatus	LastMoveDateGMT		LocationId			
CEPdb	CurrentStatus	LocationId		EquipmentId			
CEPdb	CurrentStatus	ResourceId		ReworkLoopCount			
CEPdb	CurrentStatus	ReworkLoopCount		ReworkTotalCount			
CEPdb	CurrentStatus	ReworkTotalCount		SpecId			
CEPdb	CurrentStatus	<site id>		TimersCount			
CEPdb	CurrentStatus	SpecId		WorkflowStepId			
CEPdb	CurrentStatus	TimersCount		OperationId			
CEPdb	CurrentStatus	<site id>		ContainerId			
CEPdb	Container	ContainerId		MaterialDefinitionId			
CEPdb	Container	<site id>		OperationExecutionId			
CEPdb	Container	Productid		MfgOrderId			

CEPdb	CurrentStatus	isOpStartQty		OpStartQty			
CEPdb	CurrentStatus	isOpStartQty2		OpSecondaryStartQty			
CEPdb	Container	Qty		ContainerQty			
CEPdb	Container	Qty2		ContainerSecondaryQty			
CEPdb	UOM	UOMName		UomId			
CEPdb	UOM	UOMName		SecondaryUomId			
....	<site id>		ContainerHierarchy			
CEPdb	Container	ContainerId		ContainerHierarchySiteId			
....	<site id>		ContainerHierarchyKey	CONTAINERHIERARCHY		
CEPdb	Container	ParentContainerId		ParentContainerId			
....	<site id>		ContainerId			
CEPdb	Container	ContainerId		ContainerOperation			
....	<site id>		ContainerOperationSiteId			
CEPdb	HistoryMainline	HistoryMainlineId		ContainerOperationKey			
....	<site id>		ContainerId			
CEPdb	HistoryMainline	ContainerId					
....	<site id>		ContainerOperationStatusId			
....	'FAIL' or 'PASS'		EquipmentId			
CEPdb	HistoryMainline	ResourceId		MaterialDefinitionId			
....	<site id>		OperationId			
CEPdb	HistoryMainline	ProductId		ParentContainerId			
....	<site id>		WorkflowStepId			
CEPdb	HistoryMainline	OperationId		OperationExecutionId			
....	<site id>		TxnType			
CEPdb	HistoryMainline	TxnType		TxnDate			
CEPdb	HistoryMainline	TxnDate		TxnDateGMT			
....	<site id>		RecipId			
CEPdb	HistoryMainline	ES_Recipient		Quantity			
CEPdb	HistoryMainline	Qty		MoveCycleTime			
CEPdb	MoveHistory	CycleTime		MoveInCycleTime			
CEPdb	MoveInHistory	CycleTime		Txn			
CEPdb	HistoryMainline	TxnId		LaborId			
....	<site id>					
CEPdb	HistoryMainline	EmployeeId		ContainerStepPass			
CEPdb	HistoryMainline	StepPass		ContainerOperationAssembly			
....	<site id>		ContainerOperationAssemblySiteId			
CEPdb	IssueActualsHistory	IssueActualsHistoryId		ContainerOperationAssemblyKey			
....	<site id>		ContainerOperationId			
CEPdb	HistoryMainline	HistoryMainlineId		AssembledContainerId			
....	<site id>					
CEPdb	Container,IssueActualsHistory	ContainerId or FromContainerId		AssembledMaterialDefinitionId			
....	<site id>					
CEPdb	Container,Product,IssueActualsHistory	Product or FromLot					
....	<site id>		Assembled2ContainerId			
CEPdb	Container,IssueActualsHistory	ContainerId or FromContainerId		Assembled2MaterialDefinitionId			
....	<site id>					
CEPdb	Container,Product,IssueActualsHistory	Product or ES_FromLot2		Assembled3ContainerId			
....	<site id>		Assembled3MaterialDefinitionId			
CEPdb	Container,IssueActualsHistory	ContainerId or FromContainerId					
....	<site id>		AssembledOnContainerId			
CEPdb	Container,Product,IssueActualsHistory	Product or ES_FromLot3					
....	<site id>		AssembledOnMaterialDefinitionId			
CEPdb	HistoryMainline	ParentContainerId or ContainerId		AssembledOnMaterialDefinitionId			
....	<site id>					
CEPdb	Container	ProductId		ContainerOperationStatusId			
....	<site id>		EquipmentId			
....	'FAIL' or 'PASS'					
CEPdb	HistoryMainline	ResourceId		PartNumberMaterialDefinitionId			
....	<site id>					
CEPdb	IssueHistoryDetail	ProductId		OperationId			
....	<site id>		ReferenceDesignatorId			
CEPdb	HistoryMainline	OperationId		SubAssembledOnContainerId			
....	<site id>					
CEPdb	IssueActualsHistory	ReferenceDesignator		SubAssembledOnMaterialDefinitionId			
....	<site id>					
CEPdb	HistoryMainline	ContainerId or null		SubAssembledOnMaterialDefinitionId			
....	<site id>					
CEPdb	HistoryMainline	ProductId		TxnType			
....	<site id>		TxnDate			
CEPdb	HistoryMainline	TxnType		TxnDateGMT			
CEPdb	HistoryMainline	TxnDate		RecipId			
....	<site id>					

CEPdb	HistoryMainline	ES_RecipientId		Txn				
CEPdb	HistoryMainline	TxId		OperationExecutionId				
CEPdb	Container	MfgOrderId	ContainerOperationDisassociate	ContainerOperationDisassociateSiteId				
CEPdb	DisassociateHistoryChildCnts	DisassociateHistoryId+ '-' + Sequence		ContainerOperationDisassociateKey				
CEPdb	DisassociateHistoryChildCnts	ChildContainersId		ContainerId				
CEPdb	DisassociateHistory	ParentContainerId		ParentContainerId				
CEPdb	HistoryMainline	HistoryMainlineId		ContainerOperationId				
CEPdb	HistoryMainline	TxId		Txn				
CEPdb	DisassociateHistoryChildCnts	Sequence		Sequence				
CEPdb	HistoryMainline	TxDateGMT		TxnDateGMT				
			ContainerOperationStatus					
CEPdb		<site id>		ContainerOperationStatusSiteId				
CEPdb		'FAIL' or 'PASS'		ContainerOperationStatusKey				
CEPdb		'FAIL' or 'PASS'		Name				
CEPdb		'FAIL' or 'PASS'		Description				
			ContainerProperty					
CEPdb		<site id>		ContainerPropertySiteId				
CEPdb		'X_Out' or 'FactoryStartDate'		ContainerPropertyKey	CONTAINERPROPERTY			
CEPdb		'X_Out' or 'FactoryStartDate'		Name				
CEPdb		---		Description				
CEPdb		'String' or 'DateTime'		PropertyTypeKey				
CEPdb		---		UomKey				
			ContainerPropertyStaticValue					
CEPdb	Container	ContainerId + ' X_Out' or ContainerId + '_FactoryStartDate'		ContainerPropertyStaticValueSiteId				
CEPdb	Container	ContainerId		ContainerPropertyStaticValueKey	CONTAINERPROPERTYSTATICVALUE			
CEPdb	Container	<site id>		ContainerId				
CEPdb	Container	'X_Out' or 'FactoryStartDate'		ContainerPropertyId				
CEPdb	Container	ES_XOUT		StringValue				
CEPdb	Container	FactoryStartDate		FloatValue				
CEPdb	Container	---		DatetimeValue				
CEPdb	Container	---		Sequence				
			ContainerStatus					
CEPdb		<site id>		ContainerStatusSiteId	CONTAINER			
CEPdb		0 or 1 or 2 or 3 or 4		ContainerStatusKey				
CEPdb		Deleted or Open or Closed or In transit or Issued		Name				
CEPdb		---		Description				
			Customer					
CEPdb	Customer	CustomerId		CustomerSiteId				
CEPdb	Customer	CustomerName		CustomerKey				
CEPdb	Customer	Description		Name				
			Defect					
CEPdb	isDefectHistoryDetail	isDefUID		DefectSiteId				
CEPdb	isDefectHistoryDetail	isGUID		DefectKey	PRODUCTION EVENT / GENERIC EVENT	Container -> Record Production Event OR Event -> Record Generic Event		
CEPdb	isDefectHistoryDetail	---		Name		Manage Production Event		
CEPdb	isDefectHistoryDetail	<site id>		Description				
CEPdb	isDefectHistoryDetail	---		NonConformanceId				
CEPdb	isDefectHistoryDetail	1		Quantity				
			DefectBoardSide					
CEPdb		<site id>		DefectBoardSideSiteId				
CEPdb		0 or 1 or 2 or 3		DefectBoardSideKey	DEFECTBOARDSIDE			
CEPdb		Top or Bottom or Both or None		Name				
CEPdb		---		Description				
			DefectClass					
CEPdb		<site id>		DefectClassSiteId				
CEPdb		---		DefectClassKey	PRODUCTION EVENT / GENERIC EVENT	Container -> Record Production Event OR Event -> Record Generic Event		
CEPdb		---		Name				
			DefectDefectClass					
CEPdb		<site id>		DefectDefectClassSiteId				
CEPdb		---		DefectDefectClassKey	PRODUCTION EVENT / GENERIC EVENT	Container -> Record Production Event OR Event -> Record Generic Event		
CEPdb		---		DefectId		Manage Production Event		
CEPdb		---		DefectClassId	FAILURE MODE	Modeling -> Modeling -> Failure Mode		
			DefectHistory					
CEPdb	isDefectHistoryDetail	isDefectHistoryDetailId		DefectHistorySiteId				
CEPdb	isDefectHistoryDetail	<site id>		DefectHistoryKey	DEFECTHISTORY			
CEPdb	isDefectHistoryDetail	ContainerId		ContainerId				
CEPdb	HistoryMainline	Qty		ContainerQuantity				
CEPdb	HistoryMainline	StepPass		ContainerStepPass				
CEPdb	isDefectHistoryDetail	isCreateDate		CreateDate				
CEPdb	isDefectHistoryDetail	<site id>		DefectBoardSideId				
CEPdb	isDefectHistoryDetail	ES_BoardSide		DefectId				
CEPdb	isDefectHistoryDetail	isGUID		DefectLocationId				

CEPdb	ResourceDef, ResourceFamily	ResourceDef.ResourceId + " " + ResourceFamily.ResourceFamilyId		EquipmentEquipmentClassKey		Modeling -> Modeling -> Resource (Resource field) Modeling -> Modeling -> Resource Family (Resource Family field) Event -> Record Generic Event or Container -> Record Production Event	Resource / Resource family association
----	----	<site id>		EquipmentId	RESOURCE	Modeling -> Modeling -> Resource (Resource field)	
CEPdb	ResourceDef	ResourceDef.ResourceId		EquipmentClassId	RESOURCE FAMILY	Modeling -> Modeling -> Resource Family (Resource Family field) Event -> Record Generic Event or Container -> Record Production Event	
----	----	smallint					
CEPdb	ResourceFamily	ResourceFamily.ResourceFamilyId					
----	----	<site id>	EquipmentHierarchy				
CEPdb	ResourceDef	ResourceId		EquipmentHierarchySiteId			
----	----	smallint		EquipmentHierarchyKey	RESOURCE	Modeling -> Modeling -> Resource (Resource field)	
CEPdb	ResourceDef	ResourceId		EquipmentId			
----	----	smallint					
CEPdb	ResourceDef	ParentResourceId		ParentEquipmentId		Modeling -> Modeling -> Resource (Parent Resource field)	
----	----	<site id>	EquipmentProperty				
CEPdb	ResourceDef	ResourceId		EquipmentPropertySiteId			
----	----	"Index" or "NumberOfLanes"		EquipmentPropertyKey	EQUIPMENT PROPERTY		
----	----	"Index" or "NumberOfLanes"		Name			
----	----	---		Description			
----	----	Numeric		PropertyTypeKey			
----	----	---		UomKey			
----	----	<site id>	EquipmentPropertyStaticValue				
CEPdb	ResourceDef	ResourceId + " _Index" or ResourceId + " NumberOfLanes"		EquipmentPropertyStaticValueSiteId			
----	----	<site id>		EquipmentPropertyStaticValueKey	EQUIPMENT PROPERTY STATIC VALUE		
CEPdb	ResourceDef	ResourceId		EquipmentId			
----	----	<site id>		EquipmentPropertyId			
CEPdb	ResourceDef	"Index" or "NumberOfLanes"		DatetimeValue			
----	----	---		FloatValue			
CEPdb	ResourceDef	ES_ResourceIndex or ES_NumberOfLanes		Sequence			
----	----	---		StringValue			
----	----	<site id>	EquipmentTimeCategory				
CEPdb	ResourceStatusHistory	ResourceStatusHistoryId		EquipmentTimeCategorySiteId			
ProductionStatus		'Actual' + ProductionStatusId		EquipmentTimeCategoryKey	RESOURCE STATUS HISTORY union PRODUCTION STATUS	Resource -> Resource Set Up - generates ResourceStatusHistory	
----	----	smallint					
CEPdb	ResourceStatusHistory	OldResourceState		EquipmentTimeCategoryId			
ProductionStatus		ResourceState					
----	----	<site id>		EquipmentId			
CEPdb	HistoryMainline	ResourceId		ReasonTreeItemId			
ProductionStatus		<site id>					
CEPdb	ResourceStatusHistory	OldResourceState + OldResourceStatusCodeId + OldResourceStatusReasonCodeId					
ProductionStatus		ResourceState + StatusId + ReasonId					
CEPdb	ResourceStatusHistory	OldLastStatusChangeDateGMT		StartTime			
ProductionStatus		LastStatusChangeDateGMT					
CEPdb	ResourceStatusHistory	LastStatusChangeDateGMT		EndDateTime			
ProductionStatus		null					
CEPdb	ResourceStatusHistory	datediff(second,[OldLastStatusChangeDateGMT],[LastStatusChangeDateGMT])		Duration			
ProductionStatus		null					
----	----	<site id>	Factory				
CEPdb	Factory	FactoryId		FactorySiteId			
CEPdb	Factory	FactoryName		FactoryKey	FACTORY		
CEPdb	Factory	Description		Name			
----	----	<site id>	FunctionalCode				
CEPdb	ProductType	ProductTypeId		FunctionalCodeSiteId			
CEPdb	ProductType	ProductName		FunctionalCodeKey	FUNCTIONAL CODE		
CEPdb	ProductType	Description		Name			
----	----	<site id>	Indicator				
CEPdb	isOEERawDetails	Uom or Uom2		IndicatorSiteId			
----	----	<site id>			SUMMARY TABLE		
CEPdb	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime			IndicatorKey			
----	----	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime					
CEPdb	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime			Name			
----	----	null		Description			
CEPdb	Uom or Uom2			UomId			
----	----	<site id>	IndicatorClass				
CEPdb	Counter	Counter		IndicatorClassSiteId			
----	----	Counter		IndicatorClassKey			
CEPdb	Counter	Counter		Name			
----	----	Counter		Description			
CEPdb	IndicatorIndicatorClass	IndicatorIndicatorClass					
----	----	<site id>		IndicatorIndicatorClassSiteId			
CEPdb	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime			IndicatorIndicatorClassKey			
----	----	[GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime] + _Counter		IndicatorClassId			

---	---	Counter					
---	<site id>						
---	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime		IndicatorId				
---		IndicatorValue					
CEPdb	isOERawDetails	isOERawDetailsId + _ + (GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime)		IndicatorValueSiteId			
CEPdb	isOERawDetails	ResourceId		IndicatorValueKey		SUMMARY TABLE	
---	<site id>	GoodQty or LossQty or ReworkedQty or TotalQty or SecondaryGoodQty or SecondaryLossQty or SecondaryReworkedQty or SecondaryTotalQty or IdealCycleTime		EquipmentId			
CEPdb	isOERawDetails	GoodQty or GoodQty2 or IdealCycleTime*60 or LossQty or LossQty2 or ReworkedQty or ReworkedQty2		IndicatorId			
CEPdb	isOERawDetails	TxDateGMT		Value			
CEPdb	isOERawDetails	TxDateGMT		StartTime			
---	null			EndTime			
---				Duration			
---			Labor				
CEPdb	Employee	EmployeeId		LaborId	EMPLOYEE	Modeling -> Modeling -> Employee	
CEPdb	Employee	EmployeeName			Name	Event -> Record Generic Event or Container -> Record	
CEPdb	Employee	Description			Description		
---			Location				
---	<site id>			LocationSiteId	LOCATION		
CEPdb	Location	LocationId		LocationKey			
CEPdb	Location	LocationName		Name			
CEPdb	Location	Description		Description			
---			MaterialClass				
---	<site id>			MaterialClassSiteId			
CEPdb	ProductFamily	ProductFamilyId		MaterialClassKey	PRODUCT FAMILY	Modeling -> Modeling -> Product Family	
CEPdb	ProductFamily	ProductFamilyName			Name	Event -> Record Generic Event or Container -> Record	
---	<site id>		MaterialDefinition			Production Event	
CEPdb	Product_IssueActualsHistory	ProductId or FromLot or ES_FromLot2 or ES_FromLot3		MaterialDefinitionSiteId	PRODUCT	Container -> Hold	
---	<site id>			MaterialDefinitionKey		Container -> Rework	
CEPdb	Product	ES_MountingTechnology		MountingTechnologyId			
CEPdb	ProductBase_IssueActualsHistory	ProductName or FromLot or ES_FromLot2 or ES_FromLot3		Name			
CEPdb	Product	Description or null		Description			
---	<site id>			FunctionalCodeId			
CEPdb	Product	ProductTypeid or null		MaterialDefinitionBillOfMaterial			
---	<site id>			MaterialDefinitionBillOfMaterialSiteId			
CEPdb	Product	ProductId		MaterialDefinitionBillOfMaterialKey			
---	<site id>			BillOfMaterialId			
CEPdb	BOM	BOMId		MaterialDefinitionId			
---	<site id>						
CEPdb	Product	Productid		MaterialDefinitionMaterialClass			
---	<site id>			MaterialDefinitionMaterialClassSiteId			
CEPdb	Product_ProductFamily	Product + " " + ProductFamilyId		MaterialDefinitionMaterialClassKey	PRODUCT FAMILY	Modeling -> Modeling -> Product Family	Product / Product Family association
---	<site id>			MaterialDefinitionId	PRODUCT		
CEPdb	Product	Productid		MaterialClassId			
---	<site id>			MaterialDefinitionPropertyStaticValue			
---	<site id>			MaterialDefinitionPropertyStaticValueSiteId			
CEPdb	Product	Productid + ".Revision" OR Productid + ".BOMRevision" OR Productid + ".CurrentCost" OR Productid + ".CustomerName" OR Productid + ".CustomerProductNumber" OR Productid + ".PinCount" OR Productid + ".ProductVariation" OR Productid + ".Revision" OR Productid + ".StandardCost"		MaterialDefinitionPropertyStaticValueKey	PRODUCT		
---	<site id>			MaterialDefinitionId			
CEPdb	Product	Productid		MaterialPropertyId			
---	<site id>	"Revision" OR "BOMRevision" OR "CurrentCost" OR "CustomerName" OR "CustomerProductNumber" OR "PinCount" OR "ProductVariation" OR "Revision" OR "StandardCost"					
CEPdb	Product, Customer, BOM	ProductRevision OR ProductVariation OR CustomerName OR BOMRevision OR CustomerProductNumber		StringValue			
CEPdb	Product	CurrentCost OR StdCost OR ES_PinCount		FloatValue			
---	<site id>			DatetimeValue			
---	<site id>		MaterialLot	Sequence			
---	<site id>			MaterialLotSiteId			
CEPdb	Eventlot	EventLotId		MaterialLotKey	EVENT / EVENT LOT	Event -> Record Generic Event or Container -> Record	
CEPdb	Eventlot_EventData	Lot or Eventlot.OperationName or EventData.OperationName			Production Event		
---	<site id>			Name		Container -> Start	
CEPdb	Product	ProductId		MaterialDefinitionId			
CEPdb	Eventlot	Lot		Quantity			
CEPdb	Eventlot	UOMName		UomId			
CEPdb	Eventlot	OriginalStartDate		ValidFromDateTime			
---	<site id>		MaterialProperty	MaterialPropertySiteId			

---	---	"Revision" OR "BOMRevision" OR "CurrentCost" OR "CustomerName" OR "CustomerProductNumber" OR "PinCount" OR "ProductVariation" OR "Revision" OR "StandardCost"		MaterialPropertyKey			
---	---	"Revision" OR "BOMRevision" OR "CurrentCost" OR "CustomerName" OR "CustomerProductNumber" OR "PinCount" OR "ProductVariation" OR "Revision" OR "StandardCost"		Name			
---	---			Description			
---	---	"String" OR "Numeric"		PropertyTypeKey			
---	---			UomKey			
---	---		MountingTechnology				
---	---	<site id>		MountingTechnologySiteId			
CEPdb	CDOFields	DefaultValue		MountingTechnologyKey			
CEPdb	CDOFields	FieldName		Name			
CEPdb	CDOFields	FieldDescription		Description			
---	---		NonConformance				
CEPdb	Event_Eventlot	EventDataId + '-' + Lot		NonConformanceSiteId			
CEPdb	Event	EventName		Name			
CEPdb	Event	Description		Description			Record Production Event (Description)
CEPdb	StatusField	StatusField_FieldID		NonConformanceStatusId			
CEPdb	Event	ReportedDateGMT		StartTime			Record Production Event (Occurrence Date & Time)
CEPdb	Event	CloseDateGMT		EndDateTime			Set when Record Production Event is closed
---	---			Duration	MANAGE EVENT		Search -> Quality Search -> Manage Records
---	---	<site id>		EquipmentId	RESOURCE		Record Production Event (Resource)
CEPdb	ResourceDef	ResourceDef_ResourceId					
---	---	<site id>		MaterialDefinitionId	EVENT LOT		Container -> Start -> Product
CEPdb	Product	Productid					
---	---	<site id>		OperationExecutionId			
CEPdb	Container	mfgOrderid		OperationResponsible			
---	---			MaterialLotId			Container -> Record Production Event or Manage Event
CEPdb	EventLot	EventLotId					
---	1	float		InspectedQuantity			
---	1	float		NonConformantQuantity			
---	---		NonConformanceProperty				
---	---	<site id>		NonConformancePropertySiteId			
---	---	'PriorityLevel', 'Owner', 'InitiatorOrganization', 'OccurrenceDate', 'DiscoveryArea', 'SubClassification', 'Classification', 'Organization', 'Reporter', 'ReporterOrganization', 'Initiator', 'Role', 'ResolutionCode', 'CloseDescription', 'ClosedBy', 'Category'		NonConformancePropertyKey	RECORD PRODUCTION EVENT		Container -> Record Production Event
---	---	'PriorityLevel', 'Owner', 'InitiatorOrganization', 'OccurrenceDate', 'DiscoveryArea', 'SubClassification', 'Classification', 'Organization', 'Reporter', 'ReporterOrganization', 'Initiator', 'Role', 'ResolutionCode', 'CloseDescription', 'ClosedBy', 'Category'		Name	MANAGE EVENT		Search -> Quality Search -> Manage Records
---	---	'String' or 'DateTime'		PropertyTypeId			'PriorityLevel', 'Owner', 'InitiatorOrganization', 'OccurrenceDate', 'DiscoveryArea', 'SubClassification', 'Classification', 'Organization', 'Reporter', 'ReporterOrganization', 'Initiator', 'Role', 'ResolutionCode', 'CloseDescription', 'ClosedBy', 'Category'
---	---	'n/a'		UomId			
---	---		NonConformancePropertyStaticValue				
---	---	<site id>		NonConformancePropertyStaticValueSiteId			
CEPdb	Event	Event_EventDataId + 'EventLot.Lot (refer to bm20private. NonConformanceProperty)		NonConformancePropertyStaticValueKey			
---	---	<site id>		NonConformanceId			
CEPdb	Event	Event_EventDataId + 'EventLot.Lot					Container -> Record Production Event
CEPdb	Event	<site id>		NonConformancePropertyId	RECORD PRODUCTION EVENT		
CEPdb	UnPvt	[Classification], [SubClassification], [DiscoveryArea], [Organization], [Owner], [PriorityLevel], [Reporter], [ReporterOrganization], [Initiator], [InitiatorOrganization], [Role], [ResolutionCode], [CloseDescription], [ClosedBy], [Category]		StringValue	MANAGE EVENT		Search -> Quality Search -> Manage Records
CEPdb	UnPvt	OccurrenceDate		DatetimeValue			Record Production Event (Occurrence Date & Time)
CEPdb	---	<site id>	NonConformanceStatus				
CEPdb	---	<site id>		NonConformanceStatusSiteId			
CEPdb	CDOFields	FieldID		NonConformanceStatusKey	MANAGE EVENT		Search -> Quality Search -> Manage Records (Status field)
CEPdb	CDOFields	FieldName		Name			
CEPdb	---	<site id>	Operation				
CEPdb	Operation	OperationId		OperationSiteId			
CEPdb	Operation	OperationName		OperationKey			
CEPdb	Operation	Notes		Name			
CEPdb	---	<site id>	OperationExecution				
---	---	<site id>		OperationExecutionSiteId			
CEPdb	MfgOrder	MfgOrderid		OperationExecutionKey			
CEPdb	MfgOrder	MfgOrderName		Name	MFG ORDER		Modeling -> Modeling -> Mfg Order (Mfg Order field)
CEPdb	MfgOrder	Description		Description			Modeling -> Modeling -> Mfg Order (Description field)
CEPdb	---	<site id>		OperationExecutionStatusId			
CEPdb	MfgOrder	OrderStatusId		EquipmentId			
---	---						
---	---	<site id>		MaterialDefinitionId			Modeling -> Modeling -> Mfg Order (Product field)
CEPdb	Product_ProductBase	Productid or RevOrCrdId		BillOfMaterialId			
---	---			OperationSchedulingId			
CEPdb	MfgOrder	Qty		ProducedQuantity			Modeling -> Modeling -> Mfg Order (Quantity field)
CEPdb	MfgOrder			ReworkedQuantity			
CEPdb	Uom	UomName		ScrapQuantity			
CEPdb	MfgOrder	PlannedStartDateGMT		UomId			Modeling -> Modeling -> Mfg Order (UOM field)
CEPdb	MfgOrder			StartTime			Modeling -> Modeling -> Mfg Order (Planned Start Date field)

CEPdb	MfgOrder	PlannedCompletionDateGMT		EndDateTime		Modeling -> Modeling -> Mfg Order (Planned Completion Date field)	
---	---	float		Duration			
---	---	<site id>		WorkflowId			
CEPdb	WorkflowBase,Product	RevOfRcdId or WorkflowId					
---	---	<site id>	OperationExecutionStatus				
CEPdb	OrderStatus	OrderStatusId	OperationExecutionStatusId				
CEPdb	OrderStatus	OrderStatusName	OperationExecutionStatusKey	ORDER STATUS	Modeling -> Order Status		
CEPdb	OrderStatus	Description		Name			
CEPdb	OrderStatus			Description			
---	---	<site id>	OperationResponse				
CEPdb	isOERawDetails	OperationId + '-' + MfgOrderId + '-' + ResourceId	OperationResponseId	SUMMARY TABLE			
CEPdb	isOERawDetails	OperationName	OperationResponseKey				
---	---	---	Name				
---	---	---	Description				
---	---	---	EquipmentId				
---	---	---	MaterialDefinitionId				
---	---	---	OperationDefinitionId				
---	---	---	OperationExecutionId				
CEPdb	isOERawDetails	MfgOrderId	OperationRequestId				
---	---	---	OperationRequestKey				
---	---	---	OperationResponseStatusId				
---	---	---	UomId				
---	---	---	ProducedQuantity				
---	---	---	ReworkedQuantity				
---	---	---	ScrapQuantity				
---	---	---	Sequence				
CEPdb	MfgOrder	min(PlannedStartDateGMT)	StartTime				
CEPdb	MfgOrder	max(PlannedCompletionDateGMT)	EndTime				
---	---	---	Duration				
---	---	<site id>	OperationResponseEquipmentSpecification				
---	---	<site id>	OperationResponseEquipmentSpecificationSiteId	SUMMARY TABLE			
CEPdb	isOERawDetails	OperationId + '-' + MfgOrderId + '-' + ResourceId + '-' + TxnDateGMT	OperationResponseEquipmentSpecificationKey				
---	---	<site id>	EquipmentId				
CEPdb	isOERawDetails	ResourceId	OperationResponsible				
---	---	<site id>	Quantity				
CEPdb	isOERawDetails	OperationId + '-' + MfgOrderId + '-' + ResourceId	StartDateTime				
---	---	---	EndDateTime				
CEPdb	isOERawDetails	TxnDateGMT	Duration				
CEPdb	isOERawDetails	TxnDateGMT + (ProcessTime or QueueTime)*24*60*60					
---	---	---	Owner				
---	---	<site id>	OwnerSiteId				
CEPdb	Owner	OwnerName	OwnerKey				
CEPdb	Owner	OwnerName	Name				
CEPdb	Owner	Description	Description				
---	---	<site id>	.PropertyType				
---	---	"String" or "Numeric" or "DateTime"	PropertyTypeKey				
---	---	"String" or "Numeric" or "DateTime"	Name				
---	---	<site id>	QualityLimit				
CEPdb	DataPoint	DataPointId	QualityLimitSiteId				
---	---	<site id>	QualityLimitKey	MODELING -> USER DATA COLLECTION DEFINITION	Modeling -> Modeling -> User Data Collection Def (Data		
CEPdb	DataPoint	DataPointId	QualityParameterId				
CEPdb	DataPoint	UpperLimit	HighLimit		Upper Limit field when adding to Data Points Grid		
CEPdb	DataPoint	LowerLimit	LowLimit		Lower Limit field when adding to Data Points Grid		
---	---	<site id>	QualityParameter				
---	---	<site id>	QualityParameterSiteId				
CEPdb	DataPoint	DataPointId	QualityParameterKey				
CEPdb	DataPoint	DataPointName	Name	MODELING -> USER DATA COLLECTION DEFINITION	Modeling -> Modeling -> User Data Collection Def (Data Points Grid)		
CEPdb	Uom	UOMName	UomId		UOM on Data Points Grid		
---	---	<site id>	QualityParameterValue				
---	---	<site id>	QualityParameterValueSiteId				
CEPdb	DataPointHistoryDetail	DataPointHistoryDetailId	QualityParameterValueKey	EPROCEDURE	Container -> Eprocedure		
---	---	<site id>	QualityResponseId				
CEPdb	ExecuteTaskHistory	ExecuteTaskHistoryId	QualityParameterId			Eproc Data Collection or Container -> Collect Data	
---	---	<site id>					
CEPdb	DataPointHistoryDetail	DataPointId					
CEPdb	DataPointHistoryDetail	DataValue or null	FloatValue				
CEPdb	DataPointHistoryDetail	DataValue or null	StringValue				
CEPdb	HistoryMainline	SystemDateGMT	StartTime				
CEPdb	HistoryMainline	SystemDateGMT	EndTime				
---	---	<site id>	QualityResponse				
---	---	<site id>	QualityResponseSiteId				
CEPdb	ExecuteTaskHistory	ExecuteTaskHistoryId	QualityResponseKey	EPROCEDURE	Container -> Eprocedure		
CEPdb	TaskItem	TaskItemName	Name	MODELING	Modeling -> Modeling -> Task List (Tasks grid)		
CEPdb	ExecuteTaskHistory	Instruction	Description				
---	---	<site id>	OperationResponsible				
CEPdb	ExecuteTaskHistory	ExecuteTaskHistoryId	StartTime				
CEPdb	HistoryMainline	SystemDateGMT	EndTime				
---	---	<site id>	QtyAdjustReason				
CEPdb	LossReason, QtyAdjustReason, BonusReason	LossReasonName OR QtyAdjustReasonName OR BonusReasonName	QtyAdjustReasonSiteId				
CEPdb	LossReason, QtyAdjustReason, BonusReason	LossReasonName OR QtyAdjustReasonName OR BonusReasonName	QtyAdjustReasonKey				
---	---	<site id>		Name			
---	---	<site id>		Description			

			Reason				
---	---	<site id>	ReasonSiteId				
CEPdb	ResourceStatusReason	ResourceStatusReasonId	ReasonKey	MODELING	Modeling -> Modeling -> Resource Status Reason		
CEPdb	ResourceStatusReason	ResourceStatusReasonName	Name				
CEPdb	ResourceStatusReason	Description	Description				
---	---	0	IsStop				
			ReasonTree				
---	---	---	ReasonTreeSiteId				
---	---	---	ReasonTreeKey				
---	---	---	Name				
---	---	---	Description				
			ReasonTreeItem				
---	---	<site id>	ReasonTreeItemSiteId				
CEPdb	ResourceStatusHistory	OldResourceState + OldResourceStatusCodeId + OldResourceStatusReasonCodeId	ReasonTreeItemKey	MODELING	Modeling -> Modeling -> Resource Status Reason		
---	---	ResourceState + Statusid + Reasonid	DetailedReasonId				
---	---	---	Statusid				
CEPdb	ResourceStatusHistory	OldResourceStatusCodeId	ReasonId				
---	ProductionStatus	Statusid	CauseId				
CEPdb	ResourceStatusHistory	OldResourceStatusReasonCodeId	EquipmentTimeCategoryId				
---	ProductionStatus	ReasonId					
---	---	---					
CEPdb	ResourceStatusHistory	OldResourceState	ResourceState				
---	ProductionStatus	ResourceState	Recipe				
---	---	<site id>	RecipeSiteId				
CEPdb	HistoryMainline	ES_RecipId	RecipeKey				
CEPdb	HistoryMainline	ES_RecipId	Name				
CEPdb	HistoryMainline	ES_RecipId	Description				
			ReferenceDesignator				
---	---	<site id>	ReferenceDesignatorSiteId				
CEPdb	IssueActualsHistory	ReferenceDesignator	ReferenceDesignatorKey				
CEPdb	IssueActualsHistory	ReferenceDesignator	Name				
CEPdb	IssueActualsHistory	ReferenceDesignator	Description				
			ReworkReason				
---	---	<site id>	ReworkReasonSiteId				
CEPdb	ReworkReason	ReworkReasonName	ReworkReasonKey				
CEPdb	ReworkReason	ReworkReasonName	Name				
---	---	---	Description				
			Shift				
---	---	<site id>	ShiftSiteId				
CEPdb	Shift	ShiftName	ShiftKey				
CEPdb	Shift	ShiftName	Name				
CEPdb	Shift	Description	Description				
---	---	---	StartTime				
---	---	---	EndTime				
---	---	0	IsDayAfter				
			Spec				
---	---	<site id>	SpecSiteId				
CEPdb	Spec	SpecId	SpecKey				
CEPdb	SpecBase	SpecName	Name				
CEPdb	Spec	Description	Description				
CEPdb	Spec	SpecRevision	Revision				
			Status				
---	---	<site id>	StatusSiteId		RESOURCE STATE	Modeling -> Modeling -> Resource Status Code (Resource field)	
CEPdb	ResourceStatusCode	ResourceStatusCodeId	StatusKey			Also, Resource -> Resource Set Up (Resource Status Code field)	
CEPdb	ResourceStatusCode	ResourceStatusCodeName	Name				
CEPdb	ResourceStatusCode	Description	Description				
CEPdb	ResourceStatusCode	case when Availability > 1 then 1 else 0	IsStop				
			SummaryTableCompletedWIPSummary				
---	---	<site id>	SummaryTableCompletedWIPSummarySiteId				
CEPdb	isCompletedWIPSummary	isCompletedWIPSummaryId	SummaryTableCompletedWIPSummaryKey	SUMMARY TABLE			
CEPdb	isCompletedWIPSummary	CalendarDate	CalendarDate				
CEPdb	isCompletedWIPSummary	CompletedDate	CompletedDate				
CEPdb	isCompletedWIPSummary	CompletedDateGMT	CompletedDateGMT				
---	---	<site id>	ContainerId				
CEPdb	isCompletedWIPSummary	ContainerId	LaborId				
---	---	<site id>					
CEPdb	isCompletedWIPSummary	EmployeeId					
CEPdb	isCompletedWIPSummary	EndQty	EndQty				
CEPdb	isCompletedWIPSummary	EndQty2	SecondaryEndQty				
---	---	<site id>	FactoryId				
CEPdb	isCompletedWIPSummary	FactoryId					

CEPdb	isCompletedWIPSummary	FactoryStartDate		FactoryStartDate			
CEPdb	isCompletedWIPSummary	FactoryStartDateGMT		FactoryStartDateGMT			
....	<site id>		OperationExecutionId			
CEPdb	isCompletedWIPSummary	MfgOrderId		OperationId			
....	<site id>		OwnerId			
CEPdb	isCompletedWIPSummary	OperationId		Ownerid			
....	<site id>		PastDue			
CEPdb	isCompletedWIPSummary	OwnerName		PlannedCompletionDate			
CEPdb	isCompletedWIPSummary	PastDue		PlannedCompletionDate			
CEPdb	isCompletedWIPSummary	PlannedCompletionDate		PlannedCompletionDateGMT			
CEPdb	isCompletedWIPSummary	PlannedCompletionDateGMT		MaterialDefinitionId			
....	<site id>		MaterialId			
CEPdb	isCompletedWIPSummary	Productid		ShiftId			
....	<site id>		SpecId			
CEPdb	isCompletedWIPSummary	ShiftName		StartQty			
....	<site id>		SecondaryStartQty			
CEPdb	isCompletedWIPSummary	StartQty		TimePassedCompletionDate			
CEPdb	isCompletedWIPSummary	StartQty2		TxnType			
CEPdb	isCompletedWIPSummary	TimePassedCompletionDate		TxnTypeid			
CEPdb	isCompletedWIPSummary	TxnType		UomId			
CEPdb	isCompletedWIPSummary	UomName		SecondaryUomId			
CEPdb	isCompletedWIPSummary	UOM2Name		WorkflowId			
....	<site id>		WorkflowStepId			
CEPdb	isCompletedWIPSummary	WorkflowId		WorkFlowStepId			
....	<site id>		ManufacturingCycleTime			
CEPdb	isCompletedWIPSummary	datediff(SECOND, FactoryStartDateGMT, CompletedDateGMT)					
CEPdb	Container	PlannedQty		PlannedQty			
CEPdb	MfgOrder	Qty		MfgOrderPlannedQty			
CEPdb	Uom	UomName		PlannedQtyUomKey			
CEPdb	Uom	UomName		MfgOrderPlannedQtyUomKey			
....	<site id>		SummaryTableOERawDetails			
CEPdb	isOERawDetails	isOERawDetailsId		SummaryTableOERawDetailsSiteId			
CEPdb	isOERawDetails	CalendarDate		SummaryTableOERawDetailsKey	SUMMARY TABLE		
....	<site id>		CalendarDate			
CEPdb	isOERawDetails	ContainerId		ContainerId			
CEPdb	isOERawDetails	CycleStartGMT		CycleStartGMT			
CEPdb	isOERawDetails	CycleTime		CycleTime			
....	<site id>		LaborId			
CEPdb	isOERawDetails	EmployeeId		FactoryId			
....	<site id>		GoodQty			
CEPdb	isOERawDetails	FactoryId		SecondaryGoodQty			
CEPdb	isOERawDetails	GoodQty		IdealCycleTime			
CEPdb	isOERawDetails	GoodQty2		LossQty			
CEPdb	isOERawDetails	IdealCycleTime		SecondaryLossQty			
CEPdb	isOERawDetails	LossQty		OperationExecutionId			
CEPdb	isOERawDetails	LossQty2		OperationId			
....	<site id>		OwnerId			
CEPdb	isOERawDetails	MfgOrderId		Ownerid			
....	<site id>		MaterialClassId			
CEPdb	isOERawDetails	OperationId		MaterialDefinitionId			
....	<site id>		QtyAdjustReasonId			
CEPdb	isOERawDetails	OwnerName		QueueTime			
....	<site id>		EquipmentClassId			
CEPdb	isOERawDetails	ProductFamilyId		ResourceFamilyId			
....	<site id>		ResourceId			
CEPdb	isOERawDetails	ProductId		ReworkedQty			
....	<site id>		SecondaryReworkedQty			
CEPdb	isOERawDetails	QueueTime		ReworkReasonId			
....	<site id>		ShiftId			
CEPdb	isOERawDetails	ResourceFamilyId		SpecId			
....	<site id>		SpecId			
CEPdb	isOERawDetails	ResourcedId					
CEPdb	isOERawDetails	ReworkedQty					
CEPdb	isOERawDetails	ReworkedQty2					
....	<site id>					
CEPdb	isOERawDetails	ReworkReason					
....	<site id>					
CEPdb	isOERawDetails	Shift					
....	<site id>					
CEPdb	isOERawDetails	SpecId					

---	---	<site id>						
CEPdb	isOEERawDetails	StepId		WorkflowStepId				
CEPdb	isOEERawDetails	TotalQty		TotalQty				
CEPdb	isOEERawDetails	TotalQty2		SecondaryTotalQty				
CEPdb	isOEERawDetails	TxnDate		TxnDate				
CEPdb	isOEERawDetails	TxnDateGMT		TxnDateGMT				
---	---	<site id>		TxnTypeid				
CEPdb	isOEERawDetails	TxnType						
CEPdb	isOEERawDetails	UOM		UomId				
CEPdb	isOEERawDetails	UOM2		SecondaryUomId				
---	---	<site id>		WorkflowId				
CEPdb	isOEERawDetails	WorkflowId						
CEPdb	isOEERawDetails	ProcessTime		ProcessTime				
CEPdb	isOEERawDetails	ChildCount		ChildCount				
CEPdb	isOEERawDetails	isFailed		isFailed				
CEPdb	isOEERawDetails	isFailedQty		FailedQty				
CEPdb	isOEERawDetails	isOpenDefectCount		OpenDefectCount				
CEPdb	isOEERawDetails	isQty		Qty				
CEPdb	isOEERawDetails	isTotalDefectCount		TotalDefectCount				
		TxnType						
---	---	<site id>		TxnTypeSiteId				
CEPdb	HistoryMainline	TxnType		TxnTypeKey				
CEPdb	CDODefinition	CDOName		Name				
CEPdb	CDODefinition	CDODescription		Description				
		Uom						
CEPdb	UoM	UOMName		UomKey	MODELING	Modeling -> Modeling -> UOM		
CEPdb	UoM	UomName		Name				
---	---	1		UomSystemId				
---	---	1		UomCategoryId				
		Workflow						
---	---	<site id>		WorkflowSiteId				
CEPdb	Workflow	WorkflowId		WorkflowKey				
CEPdb	WorkflowBase	WorkflowName		Name				
CEPdb	Workflow	Description		Description				
CEPdb	Workflow	WorkflowRevision		Revision				
		WorkflowStep						
---	---	<site id>		WorkflowStepSiteId				
CEPdb	WorkflowStep	WorkflowStepId		WorkflowStepKey				
CEPdb	WorkflowStep	WorkflowStepName		Name				
CEPdb	WorkflowStep	Description		Description				
CEPdb	WorkflowStep	Sequence		Sequence				
CEPdb	WorkflowStep	IsLastStep		IsLastStep				
---	---	<site id>		WorkflowId				
CEPdb	WorkflowStep	WorkflowId						