



**ARTS Data Model Committee  
Retail Data Model Near Physical View  
Volume V (Conformance Matrix)**

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## Conformance Group: Core

### Path: Core

*Base entities that're required for (nearly) all business functions.*

#### Required Entities:

#### Optional Entities:

BiometricData • BiometricDataType • ContactMethodType • ContactPurposeType • EmailAddress • ITUCountry • Organization • Party • PartyAffiliation • PartyAffiliationType • PartyContactMethod • PartyIdentification • PartyIdentificationType • PartyRole • Person • RetailStore • Telephone • TelephoneType •

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## Conformance Group: Internationalization

### Path: Internationalization

*Shadow entities that hold translations of natural language strings (e.g. Item Names, Tender Names) into alternate languages*

**Required Entities:**

Language • TranslationItem • TranslationReason • TranslationTender •

**Optional Entities:**

ErrorCode • ErrorCodeGroup • TranslationErrorCode •

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## Conformance Group: AccessControl

### Path: AccessControl/Core

*Entities required to control access to system functions, on either a per-Operator, per-Workgroup or per-Workstation basis*

**Required Entities:**

Operator • Reason • Resource • RetailTransactionLineItemType • RetailTransactionType • TenderClass • TransactionType •

**Optional Entities:**

OperatorBusinessUnitAssignment • ReasonCodeGroup •

### Path: AccessControl/Operator

*Access permissions and prohibitions are allocated to individual Operators.*

**Required Entities:**

Operator • OperatorResourceAccess •

**Optional Entities:**

OperatorBusinessUnitAssignment • WorkerOperatorAssignment •

### Path: AccessControl/OperatorGroup

*Access permissions and prohibitions are allocated to groups of Operators.*

**Required Entities:**

GroupResourceAccess • Operator • OperatorGroup • WorkGroup •

**Optional Entities:**

OperatorBusinessUnitAssignment • WorkGroupWorkstationGroupResourceAccess •

### Path: AccessControl/Workstation

*Access permissions and prohibitions are allocated to workstations.*

**Required Entities:**

Workstation • WorkstationGroup • WorkstationGroupResourceAccess • WorkstationResourceAccess •

**Optional Entities:**

WorkGroupWorkstationGroupResourceAccess • WorkstationLocationAssignment • WorkstationSiteAssignment •

### Path: AccessControl/Passwords

*System uses passwords to authenticate Operators.*

**Required Entities:**

AccessPassword • OperatorSecurityHint • PasswordChangeTransaction • SecurityHintQuestion •

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## Conformance Group:ItemMaintenance

### Path: ItemMaintenance/Core

*Base entities required by all Item and Price maintenance functions.*

**Required Entities:**

Item • ItemSellingPrices • ItemSellingRule • POSIdentity • StockItem •

**Optional Entities:**

RelatedItemAssociation • RelatedItemAssociationType • ShelfItem • UnitOfMeasure • UnitOfMeasureConversion •

### Path: ItemMaintenance/StoreGroupVariations

*System supports variations of Item prices and selling rules for different groups of stores in the enterprise.*

**Required Entities:**

RetailStore •

**Optional Entities:**

RetailStoreLocationEvent •

### Path: ItemMaintenance/ScheduledUpdate

*Records scheduled updates to Item descriptions ahead of time.*

**Required Entities:**

DataMaintenanceEvent • ItemCreation • ItemDeletion • ItemDescriptionUpdate • ItemMaintenanceEvent •

**Optional Entities:**

Event •

### Path: ItemMaintenance/Taxation

*System records taxability of items, as well as rules for calculating applicable taxes.*

**Required Entities:**

CalculateTaxRateRule • FlatTaxRateRule • TaxableGroup • TaxAuthority • TaxGroupRule • TaxGroupRuleMaintenance • TaxMaintenanceEvent • TaxRateRule • TaxRateRuleMaintenance •

**Optional Entities:**

TaxAuthorityRule • TaxJurisdiction •

### Path: ItemMaintenance/BrandManufacturer

*Records Manufacturer and Brand information about the Item*

**Required Entities:**

Brand • Manufacturer • ManufacturerBrand •

**Path: ItemMaintenance/Supplier**

*Records primary and secondary suppliers for the Item.*

**Required Entities:**

Supplier • SupplierItem •

**Optional Entities:**

SupplierItemCatalogBaseCost • SupplierItemCatalogBaseCostBreak • SupplierItemReceivingLevel • SupplierItemReceivingUnit • SupplierItemReceivingUnitConversionRule • SupplierPricePromotionZone •

**Path: ItemMaintenance/CompetitorItem**

*Records corresponding Items stocked by a competitor retailer.*

**Required Entities:**

Competitor • CompetitorRetailItem •

**Path: ItemMaintenance/Loyalty**

*System records loyalty points that are issued when the item is sold?*

**Required Entities:**

ItemLoyaltyAccountEligibility •

**Path: ItemMaintenance/Discount**

*System supports general discounts in addition to pricing rules.*

**Required Entities:**

Discount •

**Path: ItemMaintenance/Types/Apparel**

*Records Style, Color and Style information about clothing, shoes and fashion accessories.*

**Required Entities:**

ApparelItem • Color • Size • Style •

**Optional Entities:**

AssociatedMerchandiseHierarchyGroup • ColorListAgency • ColorPalette • DesignDetail • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyGroupColor • MerchandiseHierarchyGroupColorPalette • MerchandiseHierarchyGroupSize • MerchandiseHierarchyGroupStyle • MerchandiseHierarchyLevel • SizeConversion • SizeFamily • StyleColorPalette • StyleDesignDetail •

**Path: ItemMaintenance/Types/Bulk**

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*Records information required when purchasing an Item in bulk, and breaking it down by weight (or some other measure) for sale.*

**Required Entities:**

BulkItem • UnitOfMeasure •

**Optional Entities:**

Tare • UnitOfMeasureConversion •

**Path: ItemMaintenance/Types/Collection**

*Records the fact that an Item may be a Collection assembled from other Items.*

**Required Entities:**

AggregateItem • ItemCollection • ItemCollectionSubstitution •

**Path: ItemMaintenance/Types/Deposit**

*Records empty container deposit information about an Item.*

**Required Entities:**

DepositRule • ReturnAgent •

**Path: ItemMaintenance/Types/DisplayUnit**

*Records special detail about DisplayUnits.*

**Required Entities:**

DisplayUnitItem •

**Path: ItemMaintenance/Types/Fuel**

*Records specific gravity and handling conditions for Petroleum based products such as Gasoline, Diesel, LPG, etc..*

**Required Entities:**

FuelItem •

**Path: ItemMaintenance/Types/GiftCertificate**

*Records details of GiftCertificates available for sale and redemption*

**Required Entities:**

GiftCertificate • GiftCertificateClass •

**Path: ItemMaintenance/Types/GroupSelect**

*An Item that will be one of a (small) set of items - chosen by the customer at sale time. E.g. '12 Oz Drink' will be one of '12 Oz Coke' or '12 Oz Sprite'*

**Required Entities:**

GroupSelectItem • ItemChoice •

**Path: ItemMaintenance/Types/Prepared**

*Item is manufactured by the retailer at the time of sale - Item is never tracked in Inventory, although the constituent parts of the PreparedItem are.*

**Required Entities:**

BusinessUnitGroupRecipe • PreparedItem • RawMaterialComponent • RawMaterialComponentItem • Recipe • RecipeLineItem •

**Path: ItemMaintenance/Types/Rental**

*Item is rented to customer rather than sold.*

**Required Entities:**

RentalService • RentalUnit • ServiceItem •

**Path: ItemMaintenance/Types/Serialized**

*Individual instances or lots of an Item, are identified with serial numbers or lot numbers*

**Required Entities:**

ItemLot • SerializedItem • SerializedUnit •

**Path: ItemMaintenance/Types/Service**

*Item is a non-tangible (also referred to non-merchandise) item which is performed for the customer.*

**Required Entities:**

ServiceItem • ServiceItemProvider • ServiceProvider • ServiceTermsAndConditions •

**Path: ItemMaintenance/Labeling/Core**

*Base entities required for all kinds of item and shel labels.*

**Required Entities:**

ItemLabel •

**Path: ItemMaintenance/Labeling/Item**

*Extra data required to generate item price tickets.*

**Required Entities:**

ItemTicket •

**Optional Entities:**

ItemCollection • ItemCollectionSubstitution • StockItemConsumerProductLabel •

### **Path: ItemMaintenance/Labeling/Shelf**

*Extra data required for item shelf labels*

**Required Entities:**

ItemShelfLabel •

**Optional Entities:**

ItemCollection • ItemCollectionSubstitution • StockItemConsumerProductLabel •

### **Path: ItemMaintenance/Labeling/Electronic**

*Extra data required for in-store electronic shel labels for this item*

**Required Entities:**

ItemElectronicLabel •

**Optional Entities:**

ItemCollection • ItemCollectionSubstitution • StockItemConsumerProductLabel •

### **Path: ItemMaintenance/Classification/POSDepartment**

*System groups items by POS Department.*

**Required Entities:**

POSDepartment •

### **Path: ItemMaintenance/Classification/MerchandiseHierarchy**

*System groups Items by merchandise class*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel •

### **Path: ItemMaintenance/Price/Scheduled**

*Records price changes that are scheduled to happen at some time in the future.*

**Required Entities:**

DataMaintenanceEvent • ItemMaintenanceEvent • ItemPriceMaintenance • PermanentPriceChange • PermanentPriceChangeItem •  
TemporaryPriceChange • TemporaryPriceChangeItem •

**Optional Entities:**

Event •

**Path: ItemMaintenance/Price/Fuel**

*Records Full Serve/Self Serve price level, as well as Cash/Credit Card pricing for Petroleum products.*

**Required Entities:**

FuelItem • FuelItemPrice • FuelPriceLevel • FuelServiceLevel • TimeGroup • TimeGroupTimePeriod • TimePeriod •

**Path: ItemMaintenance/PriceRules/Core**

*Base entities to support simplest advanced pricing rules.*

**Required Entities:**

Item • ItemPriceDerivationRule • ItemPriceDerivationRuleEligibility • PriceDerivationRule • PriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Complex**

*Extra data required for advanced pricing rules with complex eligibility criteria, and promotion reporting*

**Required Entities:**

CombinationPriceDerivationRuleEligibility • ItemCollection • MixAndMatchPriceDerivationItem • MixAndMatchPriceDerivationRule • PriceDerivationRuleEligibility • PriceDerivationRuleEligibilityAssociation • Promotion • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType • TimeGroup • TimeGroupTimePeriod • TimePeriod •

**Optional Entities:**

ItemCollectionSubstitution •

**Path: ItemMaintenance/PriceRules/Scheduled**

*Extra data required to schedule creation and update of advanced pricing rules in advance.*

**Required Entities:**

PriceDerivationRuleEligibilityMaintenance • PriceDerivationRuleMaintenance •

**Path: ItemMaintenance/PriceRules/Eligibility/Brand**

*Entities required to support advanced pricing rules, targetted at all Items in a particular Brand.*

**Required Entities:**

Brand • BrandPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/CalendarPeriod**

*Extra data required to support advanced pricing rules targetted at Items which are related to a particular CalendarPeriod.*

**Required Entities:**

AssociatedCalendarPeriod • Calendar • CalendarLevel • CalendarPeriod • CalendarPeriodPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/CustomerAccount**

*Extra data required to support advanced pricing rules targetted at particular account customers.*

**Required Entities:**

CustomerAccount • CustomerAccountPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/CustomerGroup**

*Extra data required to support advanced pricing rules targetted at particular groups of customers.*

**Required Entities:**

Customer • CustomerAffiliation • CustomerGroup • CustomerPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/Worker**

*Extra data required to support advanced pricing rules targetted at particular groups of workers*

**Required Entities:**

Worker • WorkerDiscountGroup • WorkerDiscountGroupAssignment • WorkerDiscountGroupPriceDerivationRuleEligibility •  
WorkerDiscountLineItem •

**Path: ItemMaintenance/PriceRules/Eligibility/Manufacturer**

*Extra data required to support advanced pricing rules targetted at Items from a particular manufacturer.*

**Required Entities:**

Manufacturer • ManufacturerPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/MarketBasket**

*Extra data required to support advanced pricing rules targetted at transactions with a particular total value.*

**Required Entities:**

TotalPurchaseMarketBasketPriceDerivationRuleEligibility • TotalPurchaseMarketBasketTrigger •

**Path: ItemMaintenance/PriceRules/Eligibility/MerchandiseHierarchy**

*Extra data required to support advanced pricing rules targetted at all the items in a particular merchandise class or category.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel •  
MerchandiseHierarchyPriceDerivationRuleEligibility •

**Path: ItemMaintenance/PriceRules/Eligibility/PriceLine**

*Extra data required to support advanced pricing rules targetted at Items who's lookup price falls into a particular range.*

**Required Entities:**

PriceLine • PriceLinePriceDerivationRuleEligibility •

**Path: ItemMaintenance/SellingRules/Core**

*Base entities required for recording Item selling rules*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • MerchandiseHierarchySalesRestriction • SalesRestriction •

**Path: ItemMaintenance/SellingRules/AgeRestriction**

*Item may not be bought or sold by person below a certain age.*

**Required Entities:**

AgeRestrictionRule •

**Path: ItemMaintenance/SellingRules/LicenseRestriction**

*Item may not be bought without recording license details.*

**Required Entities:**

LicenseSalesRestriction •

**Path: ItemMaintenance/SellingRules/SellingPeriodRestriction**

*Item may not be sold at certain times of particular days.*

**Required Entities:**

ItemSalesProhibitionPeriodRule •

**Path: ItemMaintenance/SellingRules/TenderRestrictions**

*Item may not be paid for with particular Tenders.*

**Required Entities:**

ItemTenderRestrictionGroup • ItemTenderRestrictionRule •

## Conformance Group:MerchandiseFlow

### Path: MerchandiseFlow/Core

*Base entities required by all merchandise flow business functions.*

**Required Entities:**

ICDLineItem • ICDMerchandiseLineItem • InventoryControlDocument • InventoryLocation • Item • StockItem • StockLedgerAccount •

**Optional Entities:**

Carrier • ContainerType • FreightBill • ICDAllowanceLineItem • ICDChargeAllowanceProcessingRule • ICDChargeLineItem • ICDFreeText • ICDFreightLineItem • ICDLineItemReferece • ICDMerchandiseLineItemModifier • ICDMerchandiseSerializedUnit • ICDMerchandiseTaxLineItem • ICDReference • ICDState • ICDStateAssignment • ICDTaxExemptionModifier • ICDTaxLineItem • InventoryLocationEnvironmentClass • ItemCollection • ItemCollectionSubstitution • ItemLot • Location • LocationLevel • PackingSlip • SerializedItem • SerializedUnit • ShipmentContainer • ShipmentContainerMerchandiseLineItem • SupplierItemReceivingLevel • SupplierItemReceivingUnit • SupplierItemReceivingUnitConversionRule • Vendor •

### Path: MerchandiseFlow/DirectStoreDelivery

*Receipt of StockItems directly from Suppliers, without a matching order.*

**Required Entities:**

ReceivingDocument •

**Optional Entities:**

Currency • DiscrepancyToleranceRule • ExchangeRate • Supplier • SupplierItem •

### Path: MerchandiseFlow/Receiving

*Receipt of merchandise from Suppliers, matching with retailer created originating orders.*

**Required Entities:**

OrderDocument • ReceivingDocument • RequisitionDocument •

**Optional Entities:**

AdvancedShipNoticeDocument • Currency • DiscrepancyToleranceRule • ExchangeRate • Supplier • SupplierItem •

### Path: MerchandiseFlow/ReturnToVendor

*Movement of merchandise back to Supplier for credit, potentially matching against Supplier generated return authorization.*

**Required Entities:**

ReturnDocument •

**Optional Entities:**

Currency • ExchangeRate • RequestForDebitCreditDocument • ReturnAuthorizationRequest • Supplier • SupplierItem •

### Path: MerchandiseFlow/TransferIn

*Receipt of merchandise from distribution center or another store in the enterprise. Perhaps records movement of merchandise between different*

*locations in the store.*

**Required Entities:**

TransferInDocument •

**Path: MerchandiseFlow/TransferOut**

*Sending merchandise to another store in the enterprise. Perhaps records movement of merchandise between different locations in the store.*

**Required Entities:**

TransferOutDocument •

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## Conformance Group: Inventory Management

### Path: Inventory Management/Core

*Base entities required by all Inventory Management business functions.*

**Required Entities:**

InventoryLocation • Item • StockItem •

**Optional Entities:**

Address • BusinessUnit • BusinessUnitSite • ContactPurposeType • EmailAddress • InventoryLocationEnvironmentClass • ItemCollection • ItemCollectionSubstitution • ItemLot • Location • LocationLevel • SellingLocation • SerializedItem • SerializedUnit • Site • SiteContactMethod • Telephone •

### Path: Inventory Management/Item Inventory

*System keeps track of StockItem holdings by Location.*

**Required Entities:**

CostRevenueCenter • InventoryState • ItemInventory • ItemInventoryHistory • ItemInventoryJournalEntry •

**Optional Entities:**

AssociatedMerchandiseHierarchyGroup • InventoryStatePermissions • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel •

### Path: Inventory Management/Stock Ledger/Retail Valuation

*System maintains Retail Valuations in the Stock Ledger Account.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • CostRevenueCenter • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • RetailValuationLedgerAccount • RetailValuationLedgerAccountHistory • StockLedgerAccount • StockLedgerAccountHistory • StockLedgerJournalEntry •

**Optional Entities:**

FinancialLedger • FinancialLedgerAccount • FinancialLedgerAccountType • FinancialLedgerJournalEntry •

### Path: Inventory Management/Stock Ledger/Cost Valuation

*System maintains Cost Valuations in the Stock Ledger Account.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • CostRevenueCenter • CostValuationLedgerAccount • CostValuationLedgerAccountHistory • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • StockLedgerAccount • StockLedgerAccountHistory • StockLedgerJournalEntry •

**Optional Entities:**

FinancialLedger • FinancialLedgerAccount • FinancialLedgerAccountType • FinancialLedgerJournalEntry •

## **Path: InventoryManagement/StockAdjustment**

*Records manually entered adjustments to stock-on-hand figures.*

### **Required Entities:**

InventoryAdjustmentDocument • InventoryAdjustmentLineItem • InventoryCondition •

## **Path: InventoryManagement/PhysicalInventory/Core**

*Records non-scheduled PhysicalInventory (or StockTake) that has been performed*

### **Required Entities:**

InventoryAdjustmentDocument • InventoryAdjustmentLineItem • InventoryCondition • Item • PhysicalCountDocument • PhysicalCountLineItem • StockItem • StockLedgerAccount •

### **Optional Entities:**

AssociatedMerchandiseHierarchyGroup • BusinessDay • EnvironmentClass • ItemCollection • ItemCollectionSubstitution • ItemLot • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • SerializedItem • SerializedUnit •

## **Path: InventoryManagement/PhysicalInventory/Fuel**

*Extends core PhysicalInventory business process for the Forecourt retail segment.*

### **Required Entities:**

Tank • TankReading •

### **Optional Entities:**

FuelingPoint • FuelPump • SalesMeter • SalesMeterReading • StockMeter • StockMeterReading • TankLevelGauge • TankProbe • TankTemperatureReading • TankTemperatureSensor •

## **Path: InventoryManagement/PhysicalInventory/Scheduled**

*Extends core PhysicalInventory business function, to allow the PhysicalInventory to be sheduled by central office.*

### **Required Entities:**

Event • PhysicalInventoryEvent • WorkerEventAssignment •

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## Conformance Group: POSProcessing

### Path: POSProcessing/Core

*POS performs price lookup for an item.*

**Required Entities:**

Item • ItemSellingPrices • ItemSellingRule • POSIdentity • RetailStore •

**Optional Entities:**

ItemCollection • ItemCollectionSubstitution • PermanentPriceChange • PermanentPriceChangeItem • TemporaryPriceChange • TemporaryPriceChangeItem •

### Path: POSProcessing/ServiceItem

*POS can sell nonmerchandise items, that have special terms and conditions*

**Required Entities:**

ServiceItem • ServiceItemProvider • ServiceProvider • ServiceTermsAndConditions •

### Path: POSProcessing/GiftCertificate

*POS can issue GiftCertificates*

**Required Entities:**

GiftCertificate • GiftCertificateClass •

### Path: POSProcessing/GroupSelectItem

*POS can resolve GroupSelectItem as per customer choice at time of sale.*

**Required Entities:**

GroupSelectItem • ItemChoice •

### Path: POSProcessing/ItemDeposit

*POS can sell and redeem item container deposits*

**Required Entities:**

DepositRedemption • DepositRule • ReturnAgent • StockItem •

### Path: POSProcessing/RentalItem

*POS can rent an Item to the customer rather than sell it.*

**Required Entities:**

RentalService • RentalUnit • ServiceItem • ServiceItemProvider • ServiceProvider •

**Path: POSProcessing/GiftRegistry**

*POS can create and modify Gift Registry*

**Required Entities:**

Customer • CustomerOccasion • CustomerOccasionType • GiftRegisteredItem •

**Path: POSProcessing/FuelItem**

*POS performs prepay and postpay fuel sale transactions.*

**Required Entities:**

Blender • DevicePrice • FuelingPoint • FuelingTransaction • FuelItem • FuelItemPrice • FuelPriceLevel • FuelPump • FuelServiceLevel • Nozzle • StockItem • Tank •

**Path: POSProcessing/PriceRules/Core**

*Apply the simple advanced pricing rules at POS*

**Required Entities:**

Item • ItemPriceDerivationRule • ItemPriceDerivationRuleEligibility • PriceDerivationRule • PriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Complex**

*Apply complex and Mix 'n Match advanced pricing rules at POS.*

**Required Entities:**

CombinationPriceDerivationRuleEligibility • ItemCollection • MixAndMatchPriceDerivationItem • MixAndMatchPriceDerivationRule • PriceDerivationRuleEligibilityAssociation • Promotion • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType • TimeGroup • TimeGroupTimePeriod • TimePeriod •

**Optional Entities:**

ItemCollectionSubstitution •

**Path: POSProcessing/PriceRules/Eligibility/Brand**

*POS can apply advanced pricing rules based upon the Brand of the item being sold*

**Required Entities:**

Brand • BrandPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/CalendarPeriod**

*POS can apply advanced pricing rules, based upon the CalendarPeriod that an Item is targetted to.*

**Required Entities:**

AssociatedCalendarPeriod • Calendar • CalendarLevel • CalendarPeriod • CalendarPeriodPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/CustomerAccount**

*POS can apply advanced pricing rule based upon CustomerAccount being used to tender the sale.*

**Required Entities:**

Customer • CustomerAccount • CustomerAccountPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/CustomerGroup**

*POS can apply advanced pricing rules based upon a group the Customer is a member of.*

**Required Entities:**

Customer • CustomerAffiliation • CustomerGroup •

**Path: POSProcessing/PriceRules/Eligibility/Worker**

*POS can apply advanced pricing rules to transactions performed where the Customer is also a Worker*

**Required Entities:**

Worker • WorkerDiscountGroupPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/Manufacturer**

*POS can apply advanced pricing rules, based upon the Brand of an Item being sold.*

**Required Entities:**

Manufacturer • ManufacturerPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/MarketBasket**

*POS can apply advanced pricing rules, on the basis of the total value of the transaction.*

**Required Entities:**

TotalPurchaseMarketBasketPriceDerivationRuleEligibility • TotalPurchaseMarketBasketTrigger •

**Path: POSProcessing/PriceRules/Eligibility/MerchandiseHierarchy**

*POS can apply advanced pricing rules based upon the merchandise classification the Items being sold are part of.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • MerchandiseHierarchyPriceDerivationRuleEligibility •

**Path: POSProcessing/PriceRules/Eligibility/PriceLine**

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*POS can apply advanced pricing rules, based upon price range that the Item being sold falls into.*

**Required Entities:**

PriceLine • PriceLinePriceDerivationRuleEligibility •

**Path: POSProcessing/SellingRules/Core**

*Base entities required for all selling rules.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • SalesRestriction •

**Path: POSProcessing/SellingRules/AgeRestriction**

*Item may not be bought or sold by person below a certain age.*

**Required Entities:**

AgeRestrictionRule •

**Path: POSProcessing/SellingRules/LicenseRestriction**

*Item may not be bought without recording license details.*

**Required Entities:**

LicenseSalesRestriction •

**Path: POSProcessing/SellingRules/RestrictionValidation**

*POS will prompt for answers to validate item selling restrictions.*

**Required Entities:**

RestrictionValidationModifier • RestrictionValidationQuestion •

**Path: POSProcessing/SellingRules/SellingPeriodRestriction**

*Item may not be sold at certain times of particular days.*

**Required Entities:**

ItemSalesProhibitionPeriodRule •

**Path: POSProcessing/SellingRules/TenderRestrictions**

*Item may not be paid for with particular Tenders.*

**Required Entities:**

ItemTenderRestrictionGroup • ItemTenderRestrictionRule •

### **Path: POSProcessing/Tendering/Core**

*Applicable tender types are defined*

**Required Entities:**

Tender • TenderClass •

**Optional Entities:**

Currency • Denomination • TenderAccountApprovalReference •

### **Path: POSProcessing/Tendering/Authorization**

*POS gets authorization from 3rd parties when some Tenders are used to complete a transaction.*

**Required Entities:**

TenderAuthorizationProvider •

### **Path: POSProcessing/Tendering/Denominations**

*System records the available denominations of a currency.*

**Required Entities:**

Currency • Denomination •

### **Path: POSProcessing/Tendering/Foreign**

*POS can accept Tender in a foreign currency.*

**Required Entities:**

Currency • ExchangeRate •

### **Path: POSProcessing/Tendering/GiftCertificate**

*POS can redeem GiftCertificates as part of the tendering process.*

**Required Entities:**

GiftCertificate • GiftCertificateClass •

### **Path: POSProcessing/Tendering/ManufacturerCoupon**

*POS can accept Manufacturer issued coupons during the tendering process.*

**Required Entities:**

Brand • CouponHandlingRule • Manufacturer • ManufacturerBrand • ManufacturerCouponFamily •

**Path: POSProcessing/Tendering/StoreCoupon**

*POS can accept retailer issued coupons during the tendering process.*

**Required Entities:**

**Path: POSProcessing/Tendering/TradeIn**

*POS can record details of any Trade-in-Kind that was accepted during the tendering process.*

**Required Entities:**

Trade-InType • Worker •

**Path: POSProcessing/Tendering/CustomerAccount**

*POS can charge a transaction against a CustomerAccount.*

**Required Entities:**

Customer • CustomerAccount • CustomerAccountCard • CustomerConsumerChargeAccount •

**Path: POSProcessing/Tendering/LoyaltyAccount**

*POS calculates and issues loyalty points during the tendering process.*

**Required Entities:**

Customer • CustomerAccount • CustomerAccountCard • CustomerLoyaltyAccount • CustomerLoyaltyAccountRedemption •

**Path: POSProcessing/Taxation/Core**

*Base entities required to perform tax calculations.*

**Required Entities:**

CalculateTaxRateRule • FlatTaxRateRule • TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Optional Entities:**

ShippingTaxAuthorityRule • TaxAuthorityRule • TaxJurisdiction •

**Path: POSProcessing/Taxation/Exemption**

*POS uses CRM structures to grant tax exemptions.*

**Required Entities:**

Customer • Organization • Party • PartyRole • TaxExemptOrganization •

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## Conformance Group: POSLog

### Path: POSLog/Core

*POS records business activity in database.*

**Required Entities:**

Transaction •

**Optional Entities:**

BusinessDay • BusinessUnit • Operator • RetailStore • Session • TransactionAssociation • TransactionAssociationType • TransactionResourceOverride • Workstation • WorkstationSiteAssignment •

### Path: POSLog/RetailTrx/Core

*POS records ordinary sale transactions, with simple cash tendering.*

**Required Entities:**

Item • RetailTransaction • RetailTransactionLineItem • RetailTransactionTotal • SaleReturnLineItem • TenderChangeLineItem • TenderLineItem •

**Optional Entities:**

POSIdentity • RetailTransactionLineItemAssociation • RetailTransactionLineItemAssociationType • Tender • TransactionTotalType •

### Path: POSLog/RetailTrx/Commission

*POS records commission that is payable to the employee making a sale, as part of RetailTransaction.*

**Required Entities:**

LineItemAssociate • RetailTransactionAssociate •

**Optional Entities:**

SalesAssociateAction • Worker •

### Path: POSLog/RetailTrx/CustomerAccountPayment

*POS records house account payments as part of RetailTransaction.*

**Required Entities:**

PaymentOnAccountLineItem •

**Optional Entities:**

Customer • CustomerAccount • CustomerAccountCard •

### Path: POSLog/RetailTrx/CustomerInfo

*POS records generalized customer information as part of RetailTransaction.*

**Required Entities:**

CustomerInformationLineItem • CustomerInformationLineModifier •

**Path: POSLog/RetailTrx/FuelItem**

*POS records forecourt fuel sales as part of RetailTransaction.*

**Required Entities:**

FuelingPoint • FuelingTransaction • FuelItem • FuelItemPrice • FuelSalesLineItem • Nozzle •

**Path: POSLog/RetailTrx/GiftCertificate**

*POS records the sale of GiftCertificates as part of RetailTransaction.*

**Required Entities:**

GiftCertificateLineItem •

**Optional Entities:**

GiftCertificate • GiftCertificateClass •

**Path: POSLog/RetailTrx/GiftRegistry**

*POS records details of a GiftRegistry purchase when it is made, as part of RetailTransaction.*

**Required Entities:**

GiftRegisteredItem • GiftRegistryLineItem •

**Path: POSLog/RetailTrx/ItemDeposit**

*POS records container deposit sales and redemptions as part of RetailTransaction.*

**Required Entities:**

DepositRedemption • DepositRedemptionLineItem • DepositRule • ReturnAgent •

**Path: POSLog/RetailTrx/MiscellaneousFee**

*POS records non merchandise-sales as Miscellaneous Fee in RetailTransaction.*

**Required Entities:**

MiscellaneousFee • MiscellaneousFeeLineItem •

**Path: POSLog/RetailTrx/PromotionalLineItem**

*POS records promotional gifts that are given as part of a RetailTransaction.*

**Required Entities:**

PromotionalLineItem •

**Optional Entities:**

Promotion • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType •

**Path: POSLog/RetailTrx/RestrictionValidation**

*POS records birth-dates and licence numbers to validate selling restrictions, as part of RetailTransaction.*

**Required Entities:**

RestrictionValidationModifier • RestrictionValidationQuestion •

**Path: POSLog/RetailTrx/SerializedItem**

*POS records serial or batch lot numbers when serialized Items are sold, as part of RetailTransaction.*

**Required Entities:**

SerializedUnitModifier •

**Optional Entities:**

SerializedItem • SerializedUnit •

**Path: POSLog/RetailTrx/Shipping**

*POS records preferred shipping details as part of RetailTransaction.*

**Required Entities:**

RetailTransactionDeliveryPreference • RetailTransactionDeliveryPreferenceItem •

**Optional Entities:**

RetailTransactionShipment • RetailTransactionShipmentItem •

**Path: POSLog/RetailTrx/PriceModifier/Discount**

*POS records price modifications as separate transaction level discount line items in the RetailTransaction.*

**Required Entities:**

DiscountLineItem •

**Optional Entities:**

Discount • Worker • WorkerDiscountGroup • WorkerDiscountGroupAssignment • WorkerDiscountLineItem •

**Path: POSLog/RetailTrx/PriceModifier/DerivationRules**

*POS records price modifications against a specific line item.*

**Required Entities:**

RetailPriceModifier •

**Optional Entities:**

PriceDerivationRule • Promotion • PromotionalProduct • PromotionPriceDerivationRule •

**Path: POSLog/RetailTrx/Taxation/Transaction/Core**

*POS records transaction level taxation details, as part of RetailTransaction.*

**Required Entities:**

TaxLineItem •

**Optional Entities:**

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Path: POSLog/RetailTrx/Taxation/Transaction/Exemption**

*POS records transaction level, per-customer Tax Exemptions as part of RetailTransaction.*

**Required Entities:**

TaxExemptionModifier •

**Optional Entities:**

TaxExemptOrganization •

**Path: POSLog/RetailTrx/Taxation/Transaction/Override**

*POS records transaction level, per-customer Tax Rate Overrides as part of RetailTransaction.*

**Required Entities:**

TaxOverrideModifier •

**Path: POSLog/RetailTrx/Taxation/LinItem/Core**

*POS records line-item level taxation details as part of RetailTransaction.*

**Required Entities:**

SaleReturnTaxLinItem •

**Optional Entities:**

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Path: POSLog/RetailTrx/Taxation/LinItem/Exemption**

*POS records line-item level, per-customer Tax Exemptions as part of RetailTransaction.*

**Required Entities:**

SaleReturnTaxExemptionModifier •

**Path: POSLog/RetailTrx/Taxation/LinItem/Override**

*POS records line-item level, per-customer Tax Rate Overrides as part of RetailTransaction.*

**Required Entities:**

SaleReturnTaxOverrideModifier •

**Path: POSLog/RetailTrx/Tender/Core**

*POS records tendering of a RetailTransaction with Cash.*

**Required Entities:**

TenderLineItem •

**Optional Entities:**

Currency • Tender •

**Path: POSLog/RetailTrx/Tender/Authorization**

*POS records attempted and successful tender authorizations*

**Required Entities:**

TenderAuthorization • TenderAuthorizationReversal •

**Optional Entities:**

TenderAuthorizationProvider •

**Path: POSLog/RetailTrx/Tender/CreditDebit**

*POS records transaction tendering with Credit or Debit cards.*

**Required Entities:**

CreditDebitCardTenderLineItem •

**Path: POSLog/RetailTrx/Tender/Check**

*POS records transaction tendering with customer issued checks.*

**Required Entities:**

CheckTenderLineItem •

**Path: POSLog/RetailTrx/Tender/CustomerAccount**

*POS records transaction tendering with Customer house accounts.*

**Required Entities:**

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Customer • CustomerAccount • CustomerAccountCard • CustomerAccountTenderLineItem • CustomerConsumerChargeAccount •

**Optional Entities:**

CustomerAgent • FleetInfo • PurchaseOrderInfo •

**Path: POSLog/RetailTrx/Tender/GiftCertificate**

*POS records transaction tendering with GiftCertificates.*

**Required Entities:**

GiftCertificateTenderLineItem •

**Optional Entities:**

GiftCertificate • GiftCertificateClass •

**Path: POSLog/RetailTrx/Tender/ManufacturerCoupon**

*POS records transaction tendering with Manufacturer issued coupons.*

**Required Entities:**

CouponTenderLineItem •

**Path: POSLog/RetailTrx/Tender/TradeIn**

*POS records transaction tendering with Customer Trade-in-Kind*

**Required Entities:**

Trade-In-KindTenderLineItem • Trade-InType • Worker •

**Path: POSLog/RetailTrx/Tender/ForeignCurrency**

*POS records transaction tendering with cash, checks, or credit cards denominated in a foreign currency.*

**Required Entities:**

Currency • ExchangeRate •

**Path: POSLog/RetailTrx/Tender/SendCheck**

*POS records tendering of a refund by having the retailer send a check to the customer.*

**Required Entities:**

**Path: POSLog/ControlTrx/Core**

*POS records non-sale ControlTransactions.*

**Required Entities:**

**Optional Entities:**

ControlTransaction •

**Path: POSLog/ControlTrx/POSAccessControl**

*POS records access control actions.*

**Required Entities:**

POSLockTransaction • POSUnlockTransaction • SignOffTransaction • SignOnTransaction •

**Path: POSLog/ControlTrx/PeriodControl**

*POS records accounting period closures.*

**Required Entities:**

PeriodCloseTransaction • PeriodOpenTransaction •

**Path: POSLog/ControlTrx/ForecourtControl**

*POS records miscellaneous Forecourt management actions.*

**Required Entities:**

DriveOffTransaction • ForecourtSettlementTransaction • ForecourtTransaction • TestDelivery •

**Path: POSLog/ControlTrx/Settlement**

*POS records Till, StoreSafe and External Depository tender settlements.*

**Required Entities:**

ExternalDepositorySettlementTransaction • ExternalDepositoryTender • ExternalDepositoryTenderHistory • StoreSafeSettlementTransaction • StoreSafeTender • StoreSafeTenderHistory • TillSettlementTransaction • TillTender • TillTenderHistory •

**Optional Entities:**

TillMovementTransaction •

**Path: POSLog/ControlTrx/POSNoSale**

*POS records attempts to open the CashDrawer without performing a transaction.*

**Required Entities:**

POSNoSaleTransaction •

**Path: POSLog/ControlTrx/PostVoids**

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*POS records voiding of a transaction after it has been tendered.*

**Required Entities:**

PostVoidTransaction •

**Path: POSLog/ControlTrx/TimePunch**

*POS records Worker time punch entries*

**Required Entities:**

TimePunchTransaction •

**Path: POSLog/InventoryControlTrx/Core**

*POS records non-sale InventoryControlTransactions.*

**Required Entities:**

InventoryControlTransaction • InventoryLocation • ItemInventory • ItemInventoryJournalEntry • StockLedgerAccount • StockLedgerJournalEntry •

**Optional Entities:**

Location • LocationLevel •

**Path: POSLog/InventoryControlTrx/InventoryAdjTrx**

*POS records Inventory Adjustments*

**Required Entities:**

InventoryAdjustmentDocument • InventoryAdjustmentLineItem • InventoryAdjustmentTransaction •

**Path: POSLog/InventoryControlTrx/PhysicalCountTrx**

*POS records results from PhysicalCount process*

**Required Entities:**

PhysicalCountDocument • PhysicalCountLineItem • PhysicalCountTransaction •

**Optional Entities:**

PhysicalInventoryEvent •

**Path: POSLog/InventoryControlTrx/FulfillmentTrx**

*POS records receipt of goods by Customer from orders placed.*

**Required Entities:**

FulfillmentAcknowledgmentLineItem • FulfillmentAcknowledgmentTransaction •

**Path: POSLog/FoodServiceTrx**

*POS records extra detail for food-service flavours of RetailTransaction.*

**Required Entities:**

FoodServiceTransaction •

**Optional Entities:**

Server •

**Path: POSLog/TenderControlTrx/Core**

*POS records the movement of Cash (and other Tender) between StoreSafes, Tills, and external depositories (Banks).*

**Required Entities:**

Tender • TenderControlTransaction • TenderControlTransactionTenderLineItem •

**Path: POSLog/TenderControlTrx/PickupLoanDeposit**

*POS records movement of tender between Till and StoreSafe*

**Required Entities:**

Safe • TenderLoanTransaction • TenderPickupTransaction • Till •

**Path: POSLog/TenderControlTrx/PettyCash**

*POS records disbursement and receipt of cash*

**Required Entities:**

DisbursementFundsReceiptReason • DisbursementTransaction • FundsReceiptTransaction •

**Path: POSLog/TenderControlTrx/SafeTransfer**

*POS records movement of tender between StoreSafes.*

**Required Entities:**

Safe • SafeTransferTransaction • StoreSafeTender •

**Path: POSLog/TenderControlTrx/Deposit**

*POS records removal of Tender from the store to an external depository.*

**Required Entities:**

ExternalDepository • Safe • TenderDepositTransaction • Till •

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## Conformance Group: Ordering

### Path: Ordering/Core

*System automatically generates orders against Suppliers and internal DistributionCenters.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • DistributionCenter • Item • ItemSupplierItem • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • StockItem • Supplier • SupplierItem • Vendor •

**Optional Entities:**

DiscrepancyToleranceRule • SupplierItemCatalogBaseCost • SupplierItemCatalogBaseCostBreak • SupplierItemReceivingLevel • SupplierItemReceivingUnit • SupplierItemReceivingUnitConversionRule •

### Path: Ordering/ServiceItem

*System records the terms and conditions for the provision of ServiceItems.*

**Required Entities:**

Item • ServiceItem • ServiceItemProvider • ServiceProvider • ServiceTermsAndConditions •

**Optional Entities:**

SupplierPricePromotionZone •

### Path: Ordering/Deal

*System records Supplier provided catalogs and special deals for merchandise that the retailer orders.*

**Required Entities:**

Deal • DealSupplierItem • DealSupplierItemCostBreak • SupplierItemCatalogBaseCost • SupplierItemCatalogBaseCostBreak •

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## Conformance Group: Reporting

### Path: Reporting/Core

*Base entities required for all reporting summary data.*

**Required Entities:**

AssociatedCalendarPeriod • BusinessDay • Calendar • CalendarLevel • CalendarPeriod • ReportingPeriod •

**Optional Entities:**

BusinessUnitBusinessDay • BusinessUnitReportingPeriod •

### Path: Reporting/Financial

*Does the system maintain a FinancialLedger summary of retail operations, as export to corporate GeneralLedger ??*

**Required Entities:**

FinancialLedger • FinancialLedgerAccount • FinancialLedgerAccountType • FinancialLedgerJournalEntry • TenderRepositoryTenderAccount •

**Optional Entities:**

AdministrationCenter •

### Path: Reporting/WorkerDiscount

*System records per-Worker summaries of all worker discounts granted.*

**Required Entities:**

Worker • WorkerDiscountedSalesHistory •

### Path: Reporting/BusinessUnitHierarchy

*System amalgamates reporting totals from multiple BusinessUnits (RetailStores, DistributionCenters and AdministrationCenters)*

**Required Entities:**

AssociatedBusinessUnitGroup • BusinessUnit • BusinessUnitGroup • BusinessUnitGroupFunction • BusinessUnitGroupItem • BusinessUnitGroupLevel • RetailStore •

**Optional Entities:**

AdministrationCenter • DistributionCenter • Franchisee • ISOCountry • OperatingCompany • OperationalParty •

### Path: Reporting/WorkstationTimeActivity

*System records Workstatio activity summaries for short time periods (in the region of 5 - 30 minutes)*

**Required Entities:**

WorkstationTimeActivityHistory •

**Optional Entities:**

WorkstationLocationAssignment • WorkstationTimeActivityTenderHistory •

### **Path: Reporting/Promotion**

**Required Entities:**

PromotionHistory •

**Optional Entities:**

Promotion •

### **Path: Reporting/AccessControlOverrides**

*System records access control overrides.*

**Required Entities:**

RetailTransactionLineItemResourceOverride • TransactionResourceOverride •

### **Path: Reporting/Sales/ItemSales**

*System records sales summaries for each individual Item sold.*

**Required Entities:**

Item • ItemSalesSummary •

### **Path: Reporting/Sales/MerchandiseHierarchy**

*System records sales summaries for merchandise classification groups.*

**Required Entities:**

AssociatedMerchandiseHierarchyGroup • Item • MerchandiseHierarchyFunction • MerchandiseHierarchyGroup • MerchandiseHierarchyLevel • MerchandiseHierarchySalesPlan • MerchandiseHierarchySalesSummary •

### **Path: Reporting/Sales/SellingPrice**

*System records sales summaries, detailing the prices items have been sold for.*

**Required Entities:**

Item • ItemPriceMaintenance • PermanentPriceChange • PermanentPriceChangeItem • TemporaryPriceChange • TemporaryPriceChangeItem •

### **Path: Reporting/Sales/RelatedItemReports**

*System records sales summaries, for when sets of related items are sold in the same transaction.*

**Required Entities:**

Item • RelatedItemAssociation • RelatedItemAssociationSalesSummary • RelatedItemAssociationType •

**Path: Reporting/Tender/Store**

*System records per-Store Tender summary data.*

**Required Entities:**

StoreTenderHistory • Tender • TenderClass •

**Path: Reporting/Tender/Operator**

*System records per-Operator Tender summary data.*

**Required Entities:**

OperatorTenderHistory • Tender • TenderClass •

**Optional Entities:**

TillOperatorAssignment •

**Path: Reporting/Tender/Workstation**

*System records per-Workstation Tender summary data.*

**Required Entities:**

Tender • TenderClass • WorkstationTenderHistory •

**Optional Entities:**

TillWorkstationAssignment • WorkstationLocationAssignment •

**Path: Reporting/Tender/Session**

*System records per-Session Tender summary data.*

**Required Entities:**

SessionTender • Tender • TenderClass •

**Optional Entities:**

TillOperatorAssignment • TillWorkstationAssignment •

**Path: Reporting/Tender/Till**

*System records per-TillSettlement Tender summary data.*

**Required Entities:**

Tender • TenderClass • TillLocationAssignment • TillOperatorAssignment • TillTender • TillTenderHistory • TillWorkstationAssignment •

**Path: Reporting/Tender/Safe**

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*System records per-SafeSettlement Tender summary data.*

**Required Entities:**

StoreSafeTender • StoreSafeTenderHistory • Tender • TenderClass •

**Path: Reporting/Tender/Depository**

*System records per-DepositorySettlement Tender summary data.*

**Required Entities:**

ExternalDepositoryTender • ExternalDepositoryTenderHistory • Tender • TenderClass •

**Path: Reporting/Tax/Store**

*Store records per-Store sales Tax liability summary data*

**Required Entities:**

StoreTaxHistory • TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Path: Reporting/Tax/Operator**

*Store records per-Operator sales Tax liability summary data*

**Required Entities:**

OperatorTaxHistory • TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Path: Reporting/Tax/Workstation**

*Store records per-Workstation sales Tax liability summary data*

**Required Entities:**

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule • WorkstationTaxHistory •

**Path: Reporting/Tax/Session**

*Store records per-Session sales Tax liability summary data*

**Required Entities:**

SessionTax • TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

**Path: Reporting/Tax/Till**

*Store records per-TillSettlement sales Tax liability summary data*

**Required Entities:**

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule • TillTaxHistory •

### **Path: Reporting/Productivity/Store**

*System records simple per-Store retail operations summary data*

**Required Entities:**

RetailStore • StoreHistory •

### **Path: Reporting/Productivity/Operator**

*System records simple per-Operator retail operations summary data*

**Required Entities:**

Operator • OperatorHistory •

**Optional Entities:**

Worker • WorkerOperatorAssignment •

### **Path: Reporting/Productivity/Workstation**

*System records simple per-Workstation retail operations summary data*

**Required Entities:**

Workstation • WorkstationHistory •

**Optional Entities:**

WorkstationLocationAssignment •

### **Path: Reporting/Productivity/Session**

*System records simple per-WorkstationSession retail operations summary data*

**Required Entities:**

Operator • Session • Workstation •

### **Path: Reporting/Productivity/Till**

*System records simple per-TillSettlement retail operations summary data*

**Required Entities:**

Till • TillHistory • TillSettlementTransaction •

**Optional Entities:**

TenderRepository • TenderRepositoryClass •

### **Path: Reporting/Productivity/Safe**

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*System records simple per-SafeSettlement retail operations summary data*

**Required Entities:**

Safe • StoreSafeHistory • StoreSafeSettlementTransaction •

**Optional Entities:**

TenderRepository • TenderRepositoryClass •

**Path: Reporting/Productivity/Depository**

*System records simple per-DepositorySettlement retail operations summary data*

**Required Entities:**

ExternalDepository • ExternalDepositoryHistory • ExternalDepositoryParty • ExternalDepositorySettlementTransaction •

**Optional Entities:**

TenderRepository • TenderRepositoryClass •

**Path: Reporting/Productivity/POSDept**

*System records simple per-POSDepartment retail operations summary data*

**Required Entities:**

POSDepartment • POSDepartmentHistory •

**Path: Reporting/Forecourt/Nozzle**

*System records per-Nozzle Forecourt operations summary data*

**Required Entities:**

ForecourtSettlementTransaction • FuelingPoint • Nozzle • NozzleFuelingTransactionHistory • NozzleHistory •

**Optional Entities:**

Blender • Tank •

**Path: Reporting/Forecourt/Prepay**

*System records per-FuelingPoint prepay summary data*

**Required Entities:**

FuelingPoint • PrepayHistory •

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## Conformance Group: Worker

### Path: Worker/Core

*System maintains name and address data about Workers*

**Required Entities:**

ContactMethodType • ContactPurposeType • Party • PartyContactMethod • PartyRoleAssignment • Person • Telephone • TelephoneType • Worker •

**Optional Entities:**

Contractor • EmailAddress • Employee • PartyAffiliation • PartyAffiliationType • PartyIdentification • PartyIdentificationType • PartyRole • School • WorkerAvailability • WorkerCertificate • WorkerCertificationIssuingBody • WorkerCertificationType • WorkerClass • WorkerClassification • WorkerCommissionPlan • WorkerPositionAssignment • WorkerSchoolEnrollment • WorkerServerAssignment • WorkerTrainingRecord •

### Path: Worker/JobDefinition

*System records details about the Jobs Workers may perform*

**Required Entities:**

Job • JobAllocation • JobTaskSet • Position • PositionHierarchy • PositionWorkSchedule • Task • TaskParameter • TaskPreRequisite • TaskResourceAccess • TaskSet • Worker • WorkLocation •

**Optional Entities:**

Contractor •

### Path: Worker/TimePunch

*System collects and manages Worker time punch data.*

**Required Entities:**

TimeClock • TimePunchApproval • TimePunchCorrection • WorkerTimeAccrualHistory • WorkerTimeAccrualType • WorkerTimePunchEntry •

## Conformance Group: Customer

### Path: Customer/Core

*System maintains Name and Address data about Customers*

**Required Entities:**

ContactMethodType • ContactPurposeType • Customer • EmailAddress • Organization • Party • PartyContactMethod • Person • Telephone • TelephoneType •

**Optional Entities:**

BiometricData • BiometricDataType • CensusGeographicCoding • Charity • CommercialEnterprise • CoordinateType • CustomerAffiliation • CustomerAsset • CustomerAssetAssociation • CustomerCorrespondence • CustomerDemographicRole • CustomerGroup • DemographicRole • ExCustomer • KeyCustomer • NonProfitEnterprise • PartyAffiliation • PartyAffiliationType • PartyIdentification • PartyIdentificationType • PartyRole • PhysicalLocation • PhysicalLocationAddress • Prospect • RetailStoreCustomer • Shopper • TaxExemptOrganization •

### Path: Customer/Order/Core

*Base entities required to support CustomerOrders.*

**Required Entities:**

CustomerOrder • CustomerOrderLineItem • CustomerOrderProductLineItem •

**Optional Entities:**

AssociatedCustomerOrderLineItem • CustomerOrderFreeTextLineItem • CustomerOrderLineItemState • CustomerOrderLineItemStateAssignment • CustomerOrderProductSpecialInstructions • CustomerOrderState • CustomerOrderStateAssignment • CustomerOrderType •

### Path: Customer/Order/Maintenance

*System records an audit trail of all maintenance performed on CustomerOrders.*

**Required Entities:**

CustomerOrderControlTransaction • CustomerOrderControlTransactionLineItem •

**Optional Entities:**

CustomerOrderLineItemState • CustomerOrderLineItemStateAssignment • CustomerOrderState • CustomerOrderStateAssignment •

### Path: Customer/Order/PriceModifier

*System records contracted price modifiers and discounts on CustomerOrders.*

**Required Entities:**

CustomerOrderProductPriceModifier •

### Path: Customer/Order/Tax/Order

*System records sales tax to be collected when CustomerOrder is fulfilled at the order level*

**Required Entities:**

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CustomerOrderTaxLineItem •

**Optional Entities:**

CustomerOrderTaxExemptionModifier • CustomerOrderTaxOverrideModifier •

**Path: Customer/Order/Tax/Item**

*System records sales tax to be collected when CustomerOrder is fulfilled at the individual line item level.*

**Required Entities:**

CustomerOrderProductTaxLineItem •

**Optional Entities:**

CustomerOrderProductTaxExemptionModifier • CustomerOrderProductTaxOverrideModifier •

**Path: Customer/Order/Charge/Core**

*Base entities required to record incurred charges as special line items.*

**Required Entities:**

CustomerOrderCharge • CustomerOrderChargeLineItem • CustomerOrderChargeType •

**Optional Entities:**

CustomerOrderTermsAndConditions •

**Path: Customer/Order/Charge/PriceModifier**

*System supports price modification and discounts on charges incurred in a customer order.*

**Required Entities:**

CustomerOrderChargePriceModifier •

**Path: Customer/Order/Charge/Tax**

*System records sales tax implications of charge line items.*

**Required Entities:**

CustomerOrderChargeTaxLineItem •

**Optional Entities:**

CustomerOrderChargeTaxExemptionModifier • CustomerOrderChargeTaxOverrideModifier •

**Path: Customer/Order/Tender**

*System records Deposits (and optionally) Tender Pre-Authorizations as part of a customer order.*

**Required Entities:**

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CustomerOrderPaymentLineItem •

**Optional Entities:**

CustomerOrderTenderPreAuthorization •

**Path: Customer/Order/SourceAndFulfillmentGroups**

**Required Entities:**

CustomerOrderProductAssignment • CustomerOrderProductGroup • CustomerOrderProductGroupType •

**Path: Customer/Account/Core**

*System maintains a variety of CustomerAccounts .*

**Required Entities:**

CustomerAccount •

**Optional Entities:**

CustomerAccountCard • CustomerAccountCardAssignment • CustomerAccountInvoice • CustomerConsumerChargeAccount •  
CustomerInstallmentPaymentAccount • CustomerLayawayAccount • CustomerLoyaltyAccount • CustomerTradeAccount •  
LoyaltyAccountAgreement • LoyaltyAccountTerm • LoyaltyProgram •

**Path: Customer/Account/Rentals**

*Customer account information for supporting Customer's who Rent rather than purchase StockItems.*

**Required Entities:**

CustomerRentalAccount • CustomerRentalAccountHistory •

**Path: Customer/GiftRegistry**

*System can create and maintain GiftRegistries on behalf of Customers.*

**Required Entities:**

Customer • CustomerGiftRegistry • CustomerOccasion • CustomerOccasionType • GiftRegisteredItem • GiftRegisteredItemGroup •  
GiftRegistryLineItem • OccasionRecommendation •

**Path: Customer/Preference**

*System records data about Customer's preferences.*

**Required Entities:**

CustomerPreference • PreferenceType •

**Optional Entities:**

CustomerSurvey • CustomerSurveyResponse • SurveyQuestion •

## Conformance Group:Equipment

### Path: Equipment/Workstation/Core

*Base entities required to record details about Workstations and related peripheral devices.*

**Required Entities:**

Equipment • EquipmentClass • ServiceProvider • Workstation •

**Optional Entities:**

AssociatedEquipment •

### Path: Equipment/Workstation/UPOSStatistics

*System records device statistics readings as defined by Unified-POS standard.*

**Required Entities:**

AssociatedEquipment • EquipmentStatisticsReading •

**Optional Entities:**

BumpBarEquipmentStatisticsReading • CashDrawerEquipmentStatisticsReading • FiscalPrinterEquipmentStatisticsReading • KeyLockEquipmentStatisticsReading • LineDisplayEquipmentStatisticsReading • MICREquipmentStatisticsReading • MotionSensorEquipmentStatisticsReading • MSREquipmentStatisticsReading • PINPadEquipmentStatisticsReading • POSKeyboardEquipmentStatisticsReading • POSPrinterEquipmentStatisticsReading • ScaleEquipmentStatisticsReading • ScannerEquipmentStatisticsReading • SignatureEquipmentCaptureStatisticsReading • ToneIndicatorEquipmentStatisticsReading •

### Path: Equipment/Forecourt

*System records details about the various devices used for selling gasoline that are on the Forecourt,*

**Required Entities:**

Equipment • EquipmentClass • FuelingPoint • FuelItem • FuelPump • SatelliteNozzle • ServiceProvider • StockMeter • Tank • TankLevelGauge • TankProbe • TankTemperatureSensor •