



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

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Release 4.01

Conformance Group: Core

Path: Core

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

Required Entities:

Address • Operator • Organization • Party • PartyAddress • PartyRole • Person • RetailStore •

Optional Entities:

AddressType • Contact • ContactType • EmailAddress • NonStandardAddress • OrganizationalAffiliation • OrganizationalStructure • PartyRoleStatus • PartyRoleType • PartyRoleTypeState • PersonOrgAffiliationType • PersonOrganizationAffiliation • StandardizedAddress • StandardizedDomesticAddress • StandardizedForeignAddress • Telephone • TelephoneType •

Conformance Group: AccessControl

Path: AccessControl/Operator

Access permissions and prohibitions are allocated to individual Operators.

Required Entities:

Operator • OperatorHistory • OperatorResourceAccess • Resource •

Optional Entities:

AccessPassword • Employee • TransactionType •

Path: AccessControl/OperatorGroup

Access permissions and prohibitions are allocated to groups of Operators.

Required Entities:

GroupResourceAccess • Operator • OperatorGroup • Resource • WorkGroup •

Optional Entities:

OperatorResourceAccess • TransactionType •

Path: AccessControl/Workstation

Access permissions and prohibitions are allocated to workstations.

Required Entities:

Resource • Workstation • WorkstationHistory • WorkstationResource • WorkstationRule • WorkstationRuleTender •

Optional Entities:

TransactionType •

Conformance Group:ItemMaintenance

Path: ItemMaintenance/Core

Base entities required by all Item and Price maintenance functions.

Required Entities:

Item • POSIdentity • StockItem •

Optional Entities:

AlternativeItem • ShelfItem • UnitOfMeasure •

Path: ItemMaintenance/ScheduledUpdate

Records scheduled updates to Item descriptions ahead of time.

Required Entities:

Event • ItemCreation • ItemDeletion • ItemDescriptionUpdate • ItemMaintenanceEvent •

Path: ItemMaintenance/Taxation

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

Required Entities:

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

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 • SupplierItemStockItem •

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 • StoreFinancialLedgerAccount •

Path: ItemMaintenance/Types/Apparel

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

Required Entities:

ApparelItem • Color • Size • Style •

Optional Entities:

ItemAlternateIdentity • MerchandiseHierarchyLevel • MerchandiseStructureLevelSize •

Path: ItemMaintenance/Types/Bulk

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 •

Path: ItemMaintenance/Types/Collection

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

Required Entities:

ItemCollection •

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/Pack

Records extra information about Items which are a Pack of other Items.

Required Entities:
PackItem •

Path: ItemMaintenance/Types/GiftCertificate

Records details of GiftCertificates available for sale and redemption

Required Entities:
GiftCertificate • GiftCertificateClass •

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:

ItemAlternateIdentity • ItemCollection • StockItemConsumerProductLabel •

Path: ItemMaintenance/Labeling/Shelf

Extra data required for item shelf labels

Required Entities:

ItemShelfLabel •

Optional Entities:

ItemAlternateIdentity • ItemCollection • StockItemConsumerProductLabel •

Path: ItemMaintenance/Labeling/Electronic

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

Required Entities:

ItemElectronicLabel •

Optional Entities:

ItemAlternateIdentity • ItemCollection • 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:
MerchandiseHierarchyLevel •

Path: ItemMaintenance/Price/Scheduled

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

Required Entities:
Event • ItemMaintenanceEvent • ItemPriceMaintenance • PermanentPriceChange • PermanentPriceChangeItem • TemporaryPriceChange • TemporaryPriceChangeItem •

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 • MultiplePriceDerivationRuleEligibility • PriceDerivationRuleEligibility • Promotion • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType • StoreFinancialLedgerAccount • TimeGroup • TimeGroupTimePeriod • TimePeriod •

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/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 • CustomerAffiliationPriceDerivationRuleEligibility • CustomerGroup •

Path: ItemMaintenance/PriceRules/Eligibility/Employee

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

Required Entities:

Employee • EmployeeDiscountGroup • EmployeeDiscountGroupPriceDerivationRuleEligibility • EmployeeMembershipDiscountGroup •

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:

TotalPurchaseMarketBasketEligibilityRule • TotalPurchaseMarketBasketPriceDerivationRuleEligibility •

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:

MerchandiseHierarchyLevel • MerchandiseStructurePriceDerivationRuleEligibility •

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/PriceRules/Eligibility/Season

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

Required Entities:

SeasonPriceDerivationRuleEligibility • SubseasonPriceDerivationRuleEligibility •

Path: ItemMaintenance/SellingRules/Core

Base entities required for recording Item selling rules

Required Entities:

MerchandiseHierarchyLevel • MerchandiseStructureLevelSalesRestriction • 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:

InventoryControlDocument • InventoryControlDocumentLineItem • InventoryControlDocumentMerchandiseLineItem • Item • StockItem • StockLedgerAccount •

Optional Entities:

Carrier • ContainerType • Facility • FreightBill • InventoryTransactionJournalEntry • ItemCollection • ItemLot • PackingSlip • SerializedItem • SerializedUnit • ShipmentContainer • ShipmentContainerMerchandiseLineItem • SupplierItemReceivingLevel • SupplierItemReceivingUnit • SupplierItemReceivingUnitConversionRule •

Path: MerchandiseFlow/DirectStoreDelivery

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

Required Entities:

ReceivingDocument •

Optional Entities:

Currency • DiscrepancyToleranceRule • ExchangeRate • InventoryControlDocumentAllowanceLineItem • InventoryControlDocumentChargeLineItem • InventoryControlDocumentFreightLineItem • InventoryControlDocumentMerchandiseLineItemModifier • InventoryControlDocumentMerchandiseTaxLineItem • InventoryControlDocumentReference • InventoryControlDocumentTaxExemptionModifier • InventoryControlDocumentTaxLineItem • Supplier • SupplierItem • SupplierItemStockItem •

Path: MerchandiseFlow/Receiving

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

Required Entities:

OrderDocument • ReceivingDocument •

Optional Entities:

AdvancedShipNoticeDocument • Currency • DiscrepancyToleranceRule • ExchangeRate • InventoryControlDocumentAllowanceLineItem • InventoryControlDocumentChargeLineItem • InventoryControlDocumentFreightLineItem • InventoryControlDocumentMerchandiseLineItemModifier • InventoryControlDocumentMerchandiseTaxLineItem • InventoryControlDocumentReference • InventoryControlDocumentTaxExemptionModifier • InventoryControlDocumentTaxLineItem • Supplier • SupplierItem • SupplierItemStockItem •

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 • InventoryControlDocumentAllowanceLineItem • InventoryControlDocumentFreightLineItem •

InventoryControlDocumentMerchandiseLineItemModifier • InventoryControlDocumentMerchandiseTaxLineItem •
InventoryControlDocumentReference • InventoryControlDocumentTaxExemptionModifier • InventoryControlDocumentTaxLineItem •
RequestForDebitCreditDocument • ReturnAuthorizationRequest • Supplier • SupplierItem • SupplierItemStockItem •

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 •

Optional Entities:

InventoryControlDocumentChargeLineItem • InventoryControlDocumentFreightLineItem •
InventoryControlDocumentMerchandiseLineItemModifier • InventoryControlDocumentReference •

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 •

Optional Entities:

InventoryControlDocumentChargeLineItem • InventoryControlDocumentFreightLineItem •
InventoryControlDocumentMerchandiseLineItemModifier • InventoryControlDocumentReference •

Conformance Group: Inventory Management

Path: Inventory Management/Core

Base entities required by all Inventory Management business functions.

Required Entities:

InventoryTransactionJournalEntry • Item • StockItem • StockLedgerAccount •

Optional Entities:

ItemCollection • ItemLot • SerializedItem • SerializedUnit •

Path: Inventory Management/Stock Adjustment

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

Required Entities:

InventoryAdjustmentDocument • InventoryAdjustmentLineItem • InventoryCondition •

Path: Inventory Management/Stock Ledger Maintenance

Maintenance of inventory Locations and the closure of Stock Ledger

Required Entities:

PeriodCloseTransaction • StockLedgerAccountFiscalPeriodHistory •

Optional Entities:

Deal • DealSupplierItem • DealSupplierItemCostBreak • SupplierItem •

Path: Inventory Management/Physical Inventory/Core

Records non-scheduled Physical Inventory (or Stock Take) that has been performed

Required Entities:

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

Optional Entities:

BusinessDay • EnvironmentClass • ItemCollection • ItemLot • MerchandiseHierarchyLevel • SerializedItem • SerializedUnit •

Path: Inventory Management/Physical Inventory/Scheduled

Extends core Physical Inventory business function, to allow the Physical Inventory to be scheduled by central office.

Required Entities:

Event • PhysicalInventoryEvent •

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 •

Conformance Group: POSProcessing

Path: POSProcessing/Core

POS performs price lookup for an item.

Required Entities:

Item • POSIdentity • RetailStore •

Optional Entities:

AlternativeItem • ItemCollection • 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/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 • CustomerGiftRegistration • CustomerOccasion • CustomerOccasionType • GiftRegisteredItem • RegisteredItemClass •

Path: POSProcessing/Commission

POS can calculate sales commission due to an employee

Required Entities:

CommissionedEmployee • EmployeeCommissionPlan •

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 • MultiplePriceDerivationRuleEligibility • Promotion • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType • TimeGroup • TimeGroupTimePeriod • TimePeriod •

Optional Entities:

LoyaltyAward •

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/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 • CustomerAffiliationPriceDerivationRuleEligibility • CustomerGroup •

Path: POSProcessing/PriceRules/Eligibility/Employee

POS can apply advanced pricing rules to transactions performed where the Customer is also an Employee

Required Entities:

Employee • EmployeeDiscountGroup • EmployeeDiscountGroupPriceDerivationRuleEligibility • EmployeeMembershipDiscountGroup •

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:

TotalPurchaseMarketBasketEligibilityRule • TotalPurchaseMarketBasketPriceDerivationRuleEligibility •

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:

MerchandiseHierarchyLevel • MerchandiseStructurePriceDerivationRuleEligibility •

Path: POSProcessing/PriceRules/Eligibility/PriceLine

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

Required Entities:

PriceLine • PriceLinePriceDerivationRuleEligibility •

Path: POSProcessing/PriceRules/Eligibility/Season

POS can apply advanced pricing rules, based upon the Season that an Item is targeted to.

Required Entities:

SeasonPriceDerivationRuleEligibility • SubseasonPriceDerivationRuleEligibility •

Path: POSProcessing/SellingRules/Core

Base entities required for all selling rules.

Required Entities:

MerchandiseHierarchyLevel • MerchandiseStructureLevelSalesRestriction • 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/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/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:

Employee • Trade-InType •

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/TaxCore

Base entities required to perform tax calculations.

Required Entities:

TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

Path: POSProcessing/Taxation/Exemption

POS uses CRM structures to grant tax exemptions.

Required Entities:

Customer • Organization • Party • PartyRole • TaxExemptionModifier • TaxExemptOrganization •

Path: POSProcessing/POSLog/RetailTrx/Core

POS records ordinary sale transactions, with simple cash tendering.

Required Entities:

BusinessDay • Item • POSIdentity • RetailStore • RetailTransaction • RetailTransactionLineItem • SaleReturnLineItem • Tender • TenderChangeLineItem • TenderLineItem • Transaction • Workstation •

Optional Entities:

Operator • RetailTransactionLineItemOverride • Session •

Path: POSProcessing/POSLog/RetailTrx/ItemDeposit

POS records container deposit sales and redemptions.

Required Entities:

DepositRedemption • DepositRedemptionLineItem • DepositRule • ReturnAgent •

Path: POSProcessing/POSLog/RetailTrx/FuelItem

POS records forecourt fuel sales.

Required Entities:

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

Path: POSProcessing/POSLog/RetailTrx/GiftCertificate

POS records the sale of GiftCertificates

Required Entities:

GiftCertificate • GiftCertificateLineItem •

Optional Entities:

GiftCertificateClass •

Path: POSProcessing/POSLog/RetailTrx/GiftRegistry

POS records details of a GiftRegistry purchase when it is made.

Required Entities:

GiftRegisteredItem • GiftRegistryLineItem •

Path: POSProcessing/POSLog/RetailTrx/MiscellaneousFee

POS records non merchandise-sales as Miscellaneous Fee.

Required Entities:

MiscellaneousFee • MiscellaneousFeeLineItem •

Path: POSProcessing/POSLog/RetailTrx/SerializedItem

POS records serial or batch lot numbers when serialized Items are sold

Required Entities:

SerializedItem • SerializedUnit •

Path: POSProcessing/POSLog/RetailTrx/CustomerInfo

POS records generalized customer information.

Required Entities:

CustomerInformationLineItem • CustomerInformationLineModifier •

Path: POSProcessing/POSLog/RetailTrx/CustomerAccountPayment

POS records house account payments as part of a RetailTransaction.

Required Entities:

PaymentOnAccountLineItem •

Optional Entities:

Customer • CustomerAccount • CustomerAccountCard •

Path: POSProcessing/POSLog/RetailTrx/PromotionalLineItem

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

Required Entities:

Promotion • PromotionalLineItem • PromotionalProduct • PromotionPriceDerivationRule • PromotionPromotionType • PromotionType •

Path: POSProcessing/POSLog/RetailTrx/Commission

POS records commission that is payable to the employee making a sale.

Required Entities:

CommissionModifier • Employee • EmployeeCommissionPlan •

Path: POSProcessing/POSLog/RetailTrx/PriceModifier/Discount

POS records price modifications as separate line items in the RetailTransaction.

Required Entities:

Discount • DiscountLineItem •

Optional Entities:

Employee • EmployeeDiscountGroup • EmployeeDiscountLineItem •

Path: POSProcessing/POSLog/RetailTrx/PriceModifier/DerivationRules

POS records price modifications against a specific line item.

Required Entities:

Promotion • RetailPriceModifier •

Optional Entities:

PriceDerivationRule • PromotionalProduct • PromotionPriceDerivationRule •

Path: POSProcessing/POSLog/RetailTrx/Taxation/TransactionTax

POS records the total tax liability for the transaction.

Required Entities:

TaxableGroup • TaxAuthority • TaxLineItem •

Optional Entities:

TaxExemptionModifier • TaxExemptOrganization • TaxGroupRule • TaxRateRule •

Path: POSProcessing/POSLog/RetailTrx/Taxation/LineItemTax

POS records tax liability on each applicable line item.

Required Entities:

SaleReturnTaxLineItem • TaxableGroup • TaxAuthority •

Optional Entities:

TaxGroupRule • TaxRateRule •

Path: POSProcessing/POSLog/RetailTrx/Tender/CreditDebit

POS records transaction tendering with Credit or Debit cards.

Required Entities:

CreditDebitCardTenderLineItem •

Path: POSProcessing/POSLog/RetailTrx/Tender/Check

POS records transaction tendering with customer issued checks.

Required Entities:

CheckTenderLineItem •

Path: POSProcessing/POSLog/RetailTrx/Tender/CustomerAccount

POS records transaction tendering with Customer house accounts.

Required Entities:

AccountReceivablePayableLineItem • Customer • CustomerAccount • CustomerAccountCard • CustomerConsumerChargeAccount •

Path: POSProcessing/POSLog/RetailTrx/Tender/GiftCertificate

POS records transaction tendering with GiftCertificates.

Required Entities:

GiftCertificate • GiftCertificateClass • GiftCertificateTenderLineItem •

Path: POSProcessing/POSLog/RetailTrx/Tender/ManufacturerCoupon

POS records transaction tendering with Manufacturer issued coupons.

Required Entities:

CouponTenderLineItem •

Path: POSProcessing/POSLog/RetailTrx/Tender/TradeIn

POS records transaction tendering with Customer Trade-in-Kind

Required Entities:

Employee • Trade-In-KindTenderLineItem • Trade-InType •

Path: POSProcessing/POSLog/RetailTrx/Tender/ForeignCurrency

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

Required Entities:

Currency • ExchangeRate • ForeignCurrencyTenderLineItem •

Path: POSProcessing/POSLog/RetailTrx/Tender/SendCheck

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

Required Entities:

Path: POSProcessing/POSLog/ControlTrx/Core

Base entities required to record non-sale ControlTransactions.

Required Entities:

BusinessDay • ControlTransaction • Transaction • Workstation •

Optional Entities:

Operator • Session •

Path: POSProcessing/POSLog/ControlTrx/POSAccessControl

POS records access control actions.

Required Entities:

POSLockTransaction • POSUnlockTransaction • SignOffTransaction • SignOnTransaction •

Path: POSProcessing/POSLog/ControlTrx/PeriodControl

POS records accounting period closures.

Required Entities:

PeriodCloseTransaction •

Path: POSProcessing/POSLog/ControlTrx/ForecourtControl

POS records miscellaneous Forecourt management actions.

Required Entities:

DriveOffTransaction • ForecourtSettlementTransaction • ForecourtTransaction • TestDelivery •

Path: POSProcessing/POSLog/ControlTrx/Settlement

POS records Till, StoreSafe and External Depository tender settlements.

Required Entities:

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

Path: POSProcessing/POSLog/ControlTrx/POSNoSale

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

Required Entities:

POSNoSaleTransaction •

Path: POSProcessing/POSLog/ControlTrx/PostVoids

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

Required Entities:

PostVoidTransaction •

Path: POSProcessing/POSLog/FinancialAccountTrx

POS records financial accounting and adjustment transactions.

Required Entities:

BusinessDay • FinancialAccountingTransaction • Transaction • Workstation •

Optional Entities:

Operator • Session •

Path: POSProcessing/POSLog/TenderControlTrx/Core

Base entities required to record Tender movement.

Required Entities:

BusinessDay • Tender • TenderControlTransaction • TenderControlTransactionTenderLineItem • Transaction • Workstation •

Optional Entities:

Operator • Session •

Path: POSProcessing/POSLog/TenderControlTrx/PickupLoanDeposit

System records movement of tender between Till and StoreSafe

Required Entities:

StoreSafe • TenderLoanTransaction • TenderPickupTransaction • Till •

Path: POSProcessing/POSLog/TenderControlTrx/PettyCash

System records disbursement and receipt of cash

Required Entities:

DisbursementFundsReceiptReason • DisbursementTransaction • FundsReceiptTransaction •

Path: POSProcessing/POSLog/TenderControlTrx/SafeTransfer

System records movement of tender between StoreSafes.

Required Entities:

SafeTransferTransaction • StoreSafe • StoreSafeTender •

Path: POSProcessing/POSLog/TenderControlTrx/Deposit

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

Required Entities:

ExternalDepository • StoreSafe • TenderDepositTransaction • Till •

Conformance Group:Reporting

Path: Reporting/Core

Base entities required for all reporting summary data.

Required Entities:

BusinessDay • ReportingPeriod •

Path: Reporting/Financial

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

Required Entities:

FinancialTransactionJournalEntry • StoreFinancialLedgerAccount • StoreFinancialLedgerFiscalPeriodHistory •

Path: Reporting/EmplDisc

System records per-Employee summaries of all employee discounts granted.

Required Entities:

Employee • EmployeeDiscountedSalesHistory • EmployeeDiscountGroup •

Path: Reporting/WorkstationTimeActivity

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

Required Entities:

WorkstationTimeActivityHistory •

Optional Entities:

WorkstationTimeActivityTenderHistory •

Path: Reporting/WorkstationAccessControl

System records Workstation based access control overrides.

Required Entities:

WorkstationResource • WorkstationRule • WorkstationRuleApplication • WorkstationRuleOverrideHistory • WorkstationRuleTender •

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:

Item • MerchandiseHierarchyLevel • MerchandiseHierarchySalesPlan • MerchandiseHierarchySalesSummary •

Path: Reporting/Sales/SellingPrice

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

Required Entities:

Item • ItemSellingPriceHistory •

Path: Reporting/Sales/RelatedItemReports

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

Required Entities:

Item • MerchandiseHierarchyLevel • MerchandiseHierarchySalesPlan • MerchandiseHierarchySalesSummary • RelatedItemAssociation • RelatedItemAssociationSalesSummary •

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 •

Path: Reporting/Tender/Workstation

System records per-Workstation Tender summary data.

Required Entities:

Tender • TenderClass • WorkstationTenderHistory •

Path: Reporting/Tender/Session

System records per-Session Tender summary data.

Required Entities:

SessionTender • Tender • TenderClass •

Path: Reporting/Tender/Till

System records per-TillSettlement Tender summary data.

Required Entities:

Tender • TenderClass • TillTender • TillTenderHistory •

Path: Reporting/Tender/Safe

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/Tax/POSDept

Store records per-POSDepartment sales Tax liability summary data

Required Entities:

POSDepartmentTaxHistory • TaxableGroup • TaxAuthority • TaxGroupRule • TaxRateRule •

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 •

Path: Reporting/Productivity/Workstation

System records simple per-Workstation retail operations summary data

Required Entities:

Workstation • WorkstationHistory •

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

System records simple per-SafeSettlement retail operations summary data

Required Entities:

StoreSafe • 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 •

Conformance Group: Ordering

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/StockItem

System records Supplier provided catalogs for merchandise that the retailer orders.

Required Entities:

Item • StockItem • Supplier • SupplierItem • SupplierItemStockItem •

Optional Entities:

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

Path: Ordering/Deal

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

Required Entities:

Deal • DealSupplierItem • DealSupplierItemCostBreak • SupplierItemCatalogBaseCost • SupplierItemCatalogBaseCostBreak •

Conformance Group:Employee

Path: Employee/Core

System maintains name and address data about Employees

Required Entities:

Address • AddressType • Employee • Party • PartyAddress • Person • Telephone • TelephoneType •

Optional Entities:

EmailAddress • NonStandardAddress • PartyRole • PartyRoleStatus • PartyRoleType • PartyRoleTypeState • StandardizedAddress • StandardizedDomesticAddress • StandardizedForeignAddress •

Path: Employee/Discount

System grants special discounts for Employees

Required Entities:

EmployeeDiscountedSalesHistory • EmployeeDiscountGroup • EmployeeDiscountLineItem • EmployeeMembershipDiscountGroup •

Optional Entities:

EmployeeDiscountGroupPriceDerivationRuleEligibility •

Path: Employee/AccessControl

System records Employee (via Operator) based access controls

Required Entities:

Operator • OperatorResourceAccess • Resource •

Optional Entities:

EmployeeRetailStoreAssignment • OperatorGroup •

Path: Employee/WorkConditions

System records details about the Working Conditions of each Employee

Required Entities:

EmployeeAssignment • Job • Position • PositionAllocation • PositionHierarchy • PositionWorkSchedule •

Optional Entities:

Contractor • EmployeeCommissionPlan • HourlyEmployee • SalariedEmployee • Worker •

Conformance Group: Customer

Path: Customer/Core

System maintains Name and Address data about Customers

Required Entities:

Address • AddressType • Contact • ContactType • Customer • EmailAddress • Organization • OrganizationalAffiliation • OrganizationalStructure • Party • PartyAddress • Person • PersonOrgAffiliationType • PersonOrganizationAffiliation • Telephone • TelephoneType •

Optional Entities:

CensusGeographicCoding • Charity • CommercialEnterprise • CoordinateType • CustomerAffiliation • CustomerAsset • CustomerAssetAssociation • CustomerCorrespondence • CustomerDemographicRole • CustomerGroup • CustomerRelationship • CustomerRelationshipType • DemographicRole • ExCustomer • KeyCustomer • KeyCustomerClient • NonProfitEnterprise • NonStandardAddress • PartyRole • PartyRoleStatus • PartyRoleType • PartyRoleTypeState • PhysicalLocation • PhysicalLocationAddress • Prospect • RetailStoreClient • Shopper • StandardizedAddress • StandardizedDomesticAddress • StandardizedForeignAddress • TaxExemptOrganization • ThirdPartyCustomerIdentification • ThirdPartyCustomerIdentificationType •

Path: Customer/Account

System maintains a variety of CustomerAccounts .

Required Entities:

CustomerAccount •

Optional Entities:

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

Path: Customer/GiftRegistry

System can create and maintain GiftRegistries on behalf of Customers.

Required Entities:

Customer • CustomerGiftRegistration • CustomerOccasion • CustomerOccasionType • GiftRegisteredItem • GiftRegistryLineItem • OccasionRecommendation • RegisteredItemClass •

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

System records details about each Workstation (or Register)

Required Entities:

Equipment • EquipmentClass • ServiceProvider • Workstation •

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 •