



XE_Imp_DeclItem	C_IMPORTDECLARATIONITEMDEX	
XE_CusDoc_Com	/SYQ/C_CUSTOMSDOC_COMPLETENESS	
XE_CusDoc_Cor	/SYQ/C_CUSTOMSDOC_CORRECTIONS	
XE_Intra_Mat	/SYQ/C_INTRASTAT_MATERIALREQUEST	
XE_Intra_Mov	/SYQ/C_INTRASTAT_MOVEMENT	
XE_LTSD_Inbnd		
XE_LTSD_Outbd		
XE_LTSD_Req		
XE_PrefResult		
XE_VendDec_Cv	/SYQ/C_VENDORDECLARATION_COVERAGE	
XE_SPL_Aud	/SYQ/C_SPLHIT_AUDIT	
XE_BlkDoc_Aud	/SYQ/C_BLOCKEDDOCUMENTAUDIT	
XE_PartStatHist	/SYQ/C_PARTNERCOMPSTATUS_HISTORY	
XE_LicenseMas	/SYQ/C_LICENSE_MASTER	
XE_LicenseDep	/SYQ/C_LICENSE_DEPLETION	
XE_License_Val	/SYQ/C_LICENSEUSAGE_WITHVALUE	
XE_TariffRate	/SYQ/C_TARIFF_RATE	
	/SYQ/C_CLASSIFICATION_CURRENT	
	/SYQ/C_CLASSIFICATIONCHANGE_HISTORY	
	/SYQ/C_PRODUCTCREATION_EVENTS	
	/SYQ/C_CLASSIFICATIONACTIVITY_BYUSER	
	/SYQ/C_CLASSIFICATIONLEADTIME	

## Inbound Layer

Inbound layer objects only need documentation if some field adjustment is made (over and above the standard load date / time and source system stamp).

### 1TL\_S4Hx\_C\_PURCHASEORDERDEX

Field XYZ converted to date.

Field ABC converted from BIGINT to...

## Harmonisation Layer

Every table will have it's own harmonization view. This only needs to be documented if field adjustments are required. E.g. Conversion of data field / type.

Where actions are performed to improve reusability, e.g. joining header and item tables, details of the join (left outer, which is left, which is right, fields to join with, cardinality etc) should be listed.

Each node inside the view will appear as a heading 3 in this document detailing what it does and, if not obvious, why.

### 2VR\_S4HARM\_C\_PurchaseOrderDex

#### Calculation

Calculated dimension CD\_PLANT to change length of field 'Plant' from 4 to 5 to align with WHM plant. (Ubiquitously true, reusable change made at lowest level possible).

### 2VR\_S4HARM\_C\_PurchaseOrderItemDex

## Calculation

Calculated measure: CM\_PRICE = Value / Quantity. (Ubiquitously true, reusable change made at lowest level possible).

## 2VR\_S4HARM\_POHdrltm

### Join

Purpose: Join PO header and item to create reusable view at item level that contains all fields from PO header

LHS: 2VR\_S4H\_C\_PurchaseOrderDex

RHS: 2VR\_S4H\_C\_PurchaseOrderItemDex

Join Field: POHeader to POHeader

Join type: Left outer join

Cardinality: 1: Many

### Projection

Remove fields that occur in both PO Header and Item views leaving fields from PO Header side.

## Propagation Layer

## 3VR\_S2PP2R\_POHdrltm

### Calculation

A line item level calculation which applies specific business rules that are owned by the POD would be added here.

## 3VR\_S2PP2R\_POHisAcc

### Join

Purpose: etc

### Join

Purpose: etc

### Join

Purpose: etc

### Calculation

Calculated measure: CM\_DocItemValue = DocQuantity \* CM\_PRICE

## 3VF\_S2PP2R\_POHisAcc

### Union

Purpose: To bring in values from PO level alongside lower level granularity documents

Target Field	Source1-Field	Source2-Field
PO	PO	PO
POItem	POItem	POItem
MaterialDocument	-	MaterialDocument

## Associations to master data

List objects where material master associations are to be made.

## Calculated Measures (Pre-Aggregation Calculations)

Facts

### Tier 1 — simple event-based facts (no snapshots):

- FACT\_SPL\_SCREENING
- FACT\_BLOCKED\_DOCUMENT
- FACT\_LICENSE\_USAGE
- FACT\_CLASSIFICATION\_ACTIVITY
- FACT\_PRODUCT\_CREATION
- FACT\_LTSD\_REQUEST
- FACT\_PREFERENCE\_RESULT
- FACT\_CUSTOMS\_DOC (built directly on DEX views with simple enrichment)
- FACT\_CUSTOMS\_CORRECTIONS
- FACT\_CUSTOMS\_DATA\_QUALITY
- FACT\_INTRASTAT\_MATERIAL\_REQUEST (if in scope)

### Tier 2 — periodic snapshots for state representation:

- FACT\_LICENSE\_PORTFOLIO — weekly snapshot
- FACT\_LTSD\_COVERAGE — weekly snapshot
- FACT\_CLASSIFICATION\_CURRENT — daily snapshot
- FACT\_CLASSIFICATION\_LEAD\_TIME — periodic snapshot
- FACT\_PARTNER\_AVAILABILITY — periodic snapshot of master state
- FACT\_CAMPAIN\_RELEVANT\_MATERIALS — periodic snapshot
- FACT\_CUSTOMS\_CYCLE\_TIME — depends on TM/broker timestamp availability

### Tier 3 — audit-grade snapshots:

- FACT\_PREFERENCE\_SAVINGS — monthly snapshot with locked tariff rates
- FACT\_TRADE\_COMPLIANCE\_OVERVIEW — daily snapshot with as-of-date dimensional state

## Reporting Layer

### 4VA\_S2PP2R\_POHisAcc

- AM\_CustomsDeclarations — duty spend, declaration volumes, data quality, corrections
- AM\_CustomsCycleTime — cycle times and SLA adherence (subject to data availability)
- AM\_ComplianceActivity — SPL screening and partner activity
- AM\_BlockedDocuments — document blocks and releases by regulation
- AM\_LicensePortfolio — license analytics and usage
- AM\_ClassificationAnalytics — classification activity, coverage, lead times
- AM\_PreferenceResults — eligibility analytics with all status codes
- AM\_LTSDManagement — LTSD operations and campaign management
- AM\_PreferenceSavings — realized savings, potential, leakage
- AM\_TradeComplianceOverview — cross-module risk view
- AM\_Intrastat (if in scope) — Intrastat material request analytics

Link to FSD (Each Analytic model should have its own FSD).

Include technical details for:

## Calculated Measures (Post Aggregation Calculations / exception aggregation etc)

### Restricted Measures

Detail restrictions

### Currency Conversions

Detail rate type, from currency

### Variables

### Data access controls

Outbound Layer