

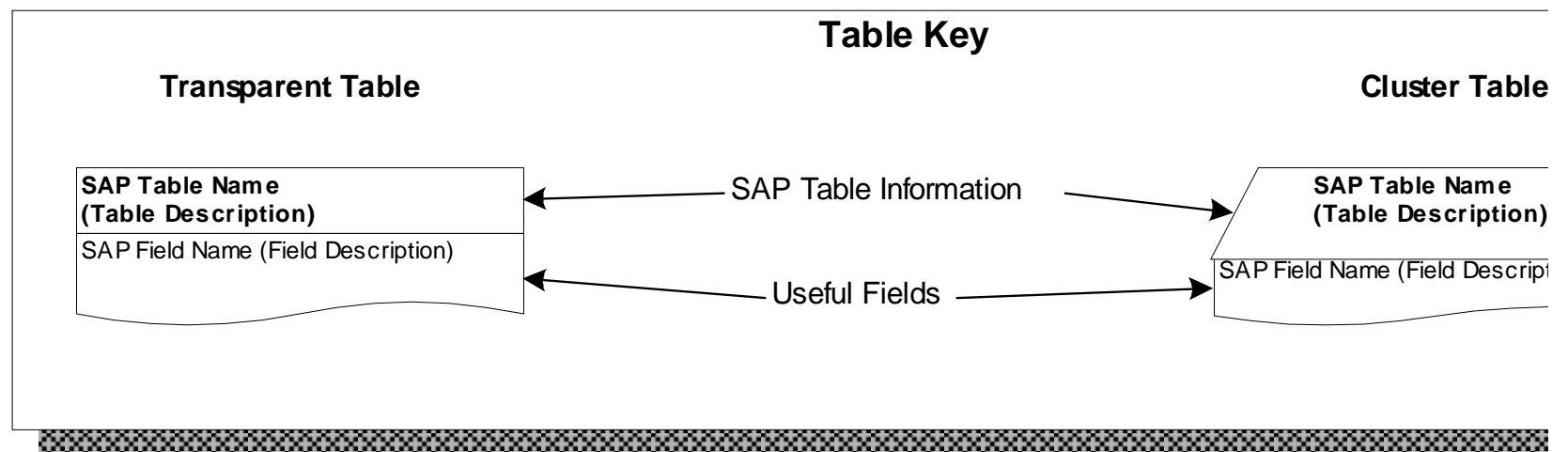
SAP Table Relations

version 1.0.0

compiled by
Christopher Solomon
with
contributions by
various SAP Professionals

How to use this document?

This document displays and describes the relationships and links between the various SAP database tables. These relationships are displayed graphically as described below:



Link Key

One-to-One

One ————— One

Master Data Tables

CEPC = Profit Center Master Data Table

CSKS = Cost Center Master

KNA1 = Customer Master (General Data)

LFA1 = Vendor Master (General Data)

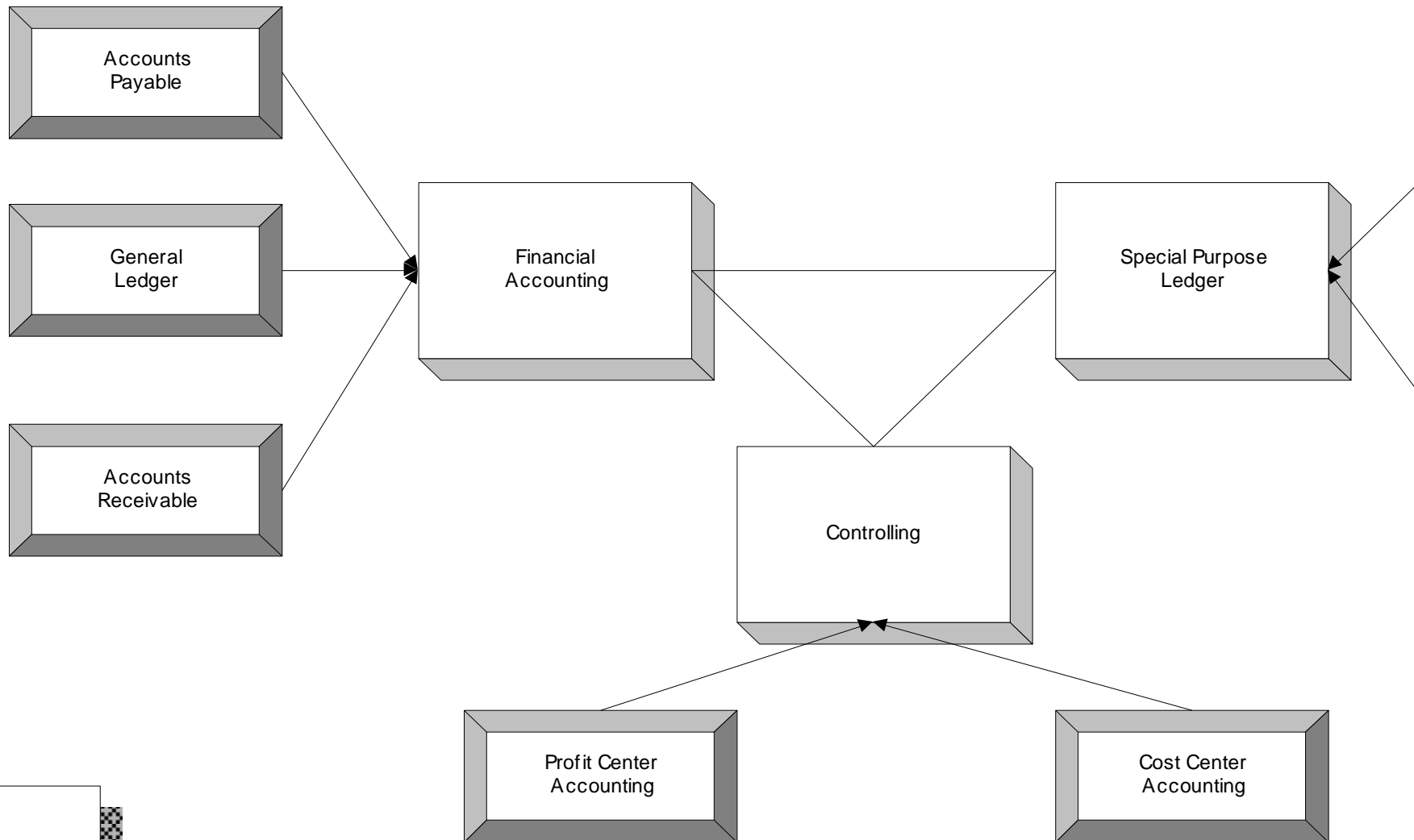
MARA = Material Master (General Data)

SKB1 = G/L Account Master (Company Code)

T001W = Plants/Branches

T001 = Company Codes

SAP - FI/CO



Tables:

BSAD
BSAS
BSEG
BSES
BSIK

FICO

Table Mapping

BVOR (Intercompany posting procedures)
Intercompany No (BVORG)
Company Code (BUKRS)
Fiscal Year (GJAHR)
Document No (BELNR)

PAYR (Payment transfer medium file)
Paying Company (ZBUKR)
House Bank (HBKID)
Account (HKTID)
Payment Method (ZLSCH)
Check No (CHECKT)

BSIP (Index for vendor validation of double documents)
Company Code (BUKRS)
Vendor (LIFNR)
Currency (WAERS)
Document Date (BLDAT)
Reference Doc (WRBTR)
Amount (WRBTR)
Document No (BELNR)
Fiscal Year (GJAHR)
Line Items (BUZEI)

BSAD (Accounting: Secondary index for customers (cleared items))
Company Code (BUKRS)
Customer (KUNNR)
Special G/L Trans (UMSKS)
Special G/L Ind (UMSKZ)
Clearing Date (AUGDT)
Clearing Doc (AUGBL)
Allocation No (ZUONR)
Fiscal Year (GJAHR)
Document No (BELNR)
Line Items (BUZEI)

BKPF (Accounting document header)
Company Code (BUKRS)
Document No (BELNR)
Fiscal Year (GJAHR)

BSIK (Accounting: Secondary index for vendors)
Company Code (BUKRS)
Vendor (LIFNR)
Special G/L Trans (UMSKS)
Special G/L Ind (UMSKZ)
Clearing Date (AUGDT)
Clearing Doc (AUGBL)
Allocation No (ZUONR)
Fiscal Year (GJAHR)
Document No (BELNR)
Line Items (BUZEI)

BSID (Accounting: Secondary index for customers)
Company Code (BUKRS)
Customer (KUNNR)
Special G/L Trans (UMSKS)
Special G/L Ind (UMSKZ)
Clearing Date (AUGDT)
Clearing Doc (AUGBL)
Allocation No (ZUONR)
Fiscal Year (GJAHR)
Document No (BELNR)
Line Items (BUZEI)

BSEG (Accounting document segment)
Company Code (BUKRS)
Document No (BELNR)
Fiscal Year (GJAHR)
Line Item (BUZEI)

BSAK (Accounting: Secondary index for vendors (cleared items))
Company Code (BUKRS)
Vendor (LIFNR)
Special G/L Trans (UMSKS)
Special G/L Ind (UMSKZ)
Clearing Date (AUGDT)
Clearing Doc (AUGBL)
Allocation No (ZUONR)
Fiscal Year (GJAHR)
Document No (BELNR)
Line Items (BUZEI)

BSIS
Company Code (BUKRS)
G/L Account (HKONT)
Clearing Date (AUGDT)

BSAS (Accounting: Secondary index for G/L accounts (cleared items))
Company Code (BUKRS)
G/L Account (HKONT)
Clearing Date (AUGDT)

KNC1 (Custom)
Customer
Company
Fiscal Year

Duplicate Invoices

VBLNR

Closed items

All FI documents

Open Items

Open Items

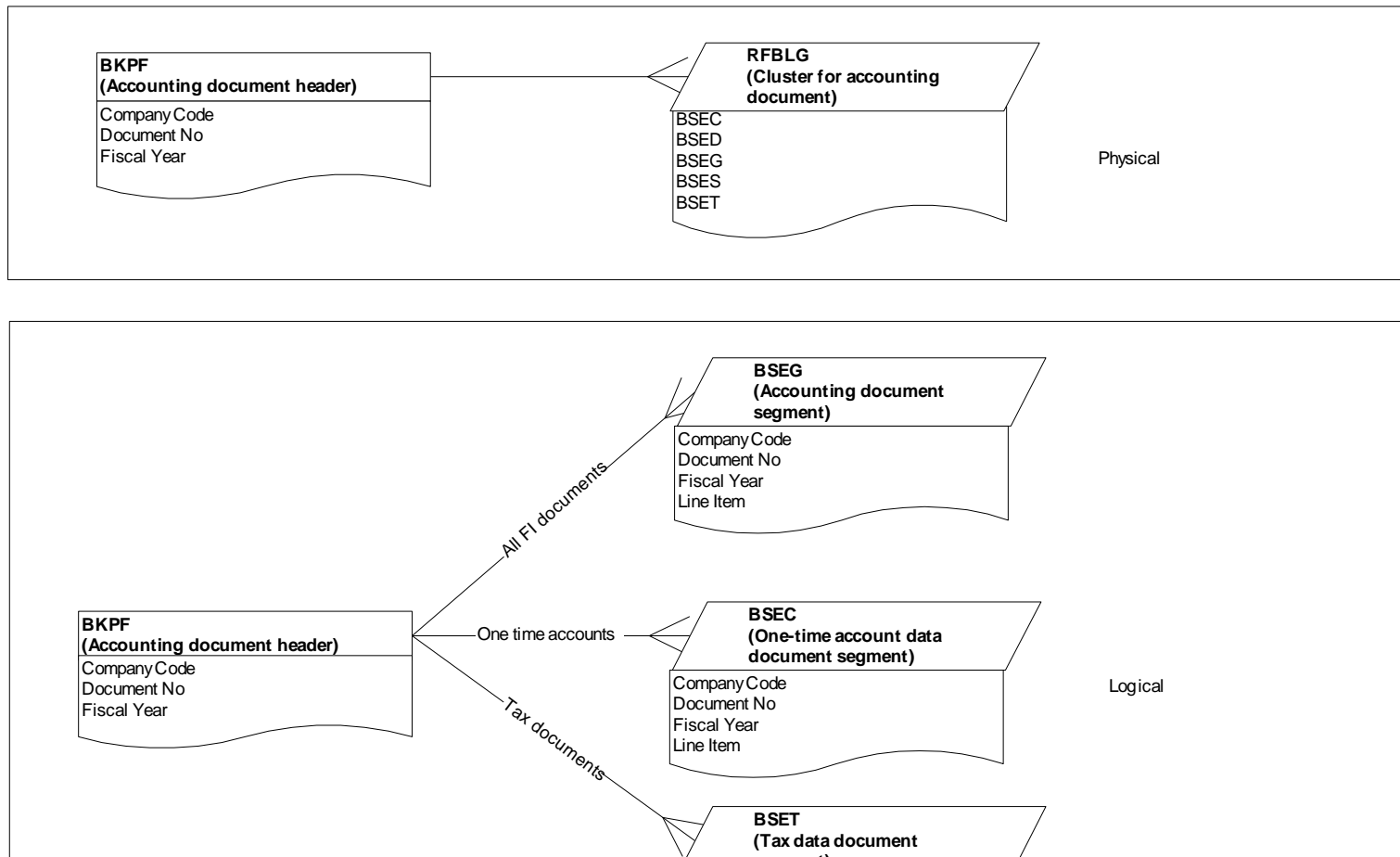
Closed items

Open Items

Closed items

SAP FI/CO

Financial Accounting



SAP F/CO

Controlling

Profit Center Accounting

GLPCT (EC-PCA: Totals Table)

Ledger(RLDNR)
Record Type (RRCTY)
Plan Version (RVERS)
Fiscal Year (GJAHR)
Object (ROBJNR)
Object (COBJNR)
Object (SOBJNR)
Currency (RTCUR)
UOM (RUNIT)
Debit/Credit Ind (DRCRX)
Period (RPMAX)

ROBJNR

COBJNR

GLPCA (EC-PCA: Actual Line Items)

Record No (GL_SIRID)

GLPCO (EC-PCA: Object Table for Account Assignment Elements)

Object (OBJNR)

GLPCC (EC-PCA: Transaction Attributes)

Object (OBJNR)

Cost Center Accounting

COSP (CO Object: Cost Totals - External Postings)

Ledger (LEDNR)
Object (J_OBJNR)
Fiscal Year (GJAHR)
Value Type (WRTTP)
Version (VERSN)
Cost Element (KSTAR)
CO Key (HRKFT)
CO Trans (VRNG)
Trading Part ID (VBUND)
Trading Part BA (PARGB)

COEP (CO object: period-related line items)

Controlling Area (KOKRS)
Document No (BELNR)
Line Item (BUZEI)

COBK

Special Purpose Ledger

Example of a Custom Ledger

ZZGLO

Object (OBJNR)

ROBJNR

ZZGLO

Record No (GL_SIRID)

ZZGLT

Ledger(RLDNR)
Record Type (RRCTY)
Version (RVERS)
Fiscal Year (GJAHR)
Object (ROBJNR)
Object (SOBJNR)
Currency (RTCUR)
UOM (RUNIT)
Debit/Credit Ind (DRCRX)
Period (RPMAX)

Reconciliation Ledger

COFIT (Totals records - reconciliation ledger)

Ledger(RLDNR)
Record Type (RRCTY)
Version (RVERS)
Fiscal Year (GJAHR)
Object (ROBJNR)
Object (COBJNR)
Object (SOBJNR)
Currency (RTCUR)
UOM (RUNIT)
Debit/Credit Ind (DRCRX)

ROBJNR

COFIO2 (Transaction-dependent fields for reconciliation ledger)

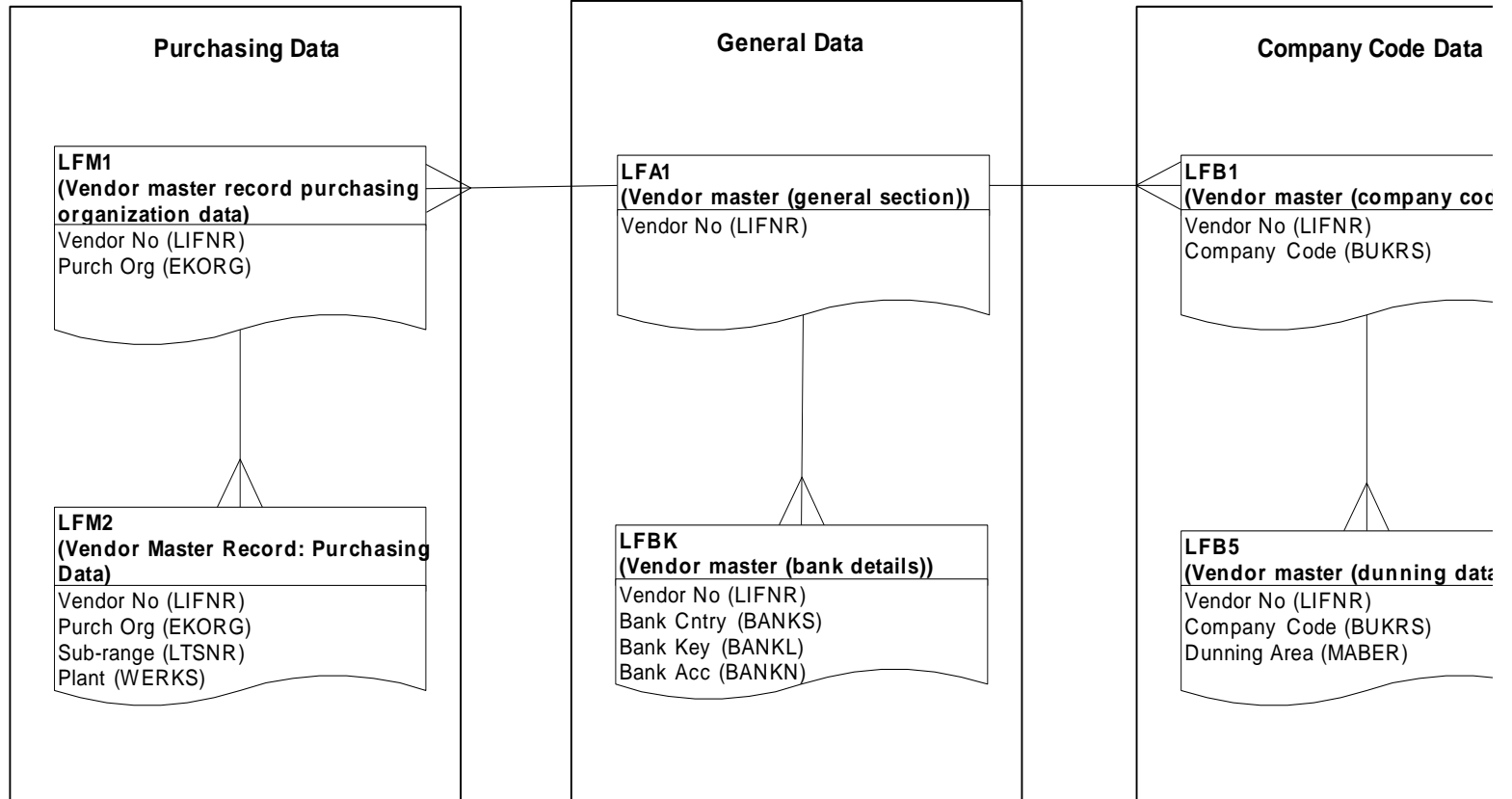
Object (OBJNR)

COFIO1 (Object Table for Reconciliation)

SAP FI/CO

Accounts Payable

Vendor Master Data



SAP FI/CO

Accounts Receivable

Customer Master Data

Sales Area Data

KNVP (Customer Master Partner Functions)

Customer No (KUNNR)
Sales Org (VKORG)
Distribution Ch (VTWEG)
Division (SPART)
Partner Function (PARVW)
Partner Counter (PARZA)

KNVV (Customer Master Sales Data)

Customer No (KUNNR)
Sales Org (VKORG)
Distribution Ch (VTWEG)
Division (SPART)

KNVD (Customer master record sales request form)

Customer No (KUNNR)
Sales Org (VKORG)
Distribution Ch (VTWEG)
Division (SPART)

General Data

KNA1 (General Data in Customer Master)

Customer No (KUNNR)

Company Code

KNB1 (Customer master (

Customer No (KUNNR)
Company Code (BUKR)

KNB5 (Customer master (

Customer No (KUNNR)
Company Code (BUKR)
Dunning Area (MABER)

SAP FI/CO

Master Data

Profit Center

CEPC (Profit center master data table)

Profit Center (PRCTR)
Valid to Date (DATBI)
Controlling Area (KOKRS)

CEPCT (Texts for Profit Center Master Data)

Language (SPRAS)
Profit Center (PRCTR)
Valid to Date (DATBI)
Controlling Area (KOKRS)

Cost Center

CSKS (Cost center master)

Controlling Area (KOKRS)
Cost Center (KOSTL)
Valid to Date (DATBI)

CSKT (Cost Center Texts)

Language (SPRAS)
Controlling Area (KOKRS)
Cost Center (KOSTL)
Valid to Date (DATBI)

Cost Element

CSKA (Cost elements (data dependent on chart of accounts))

COA (KTOPL)
Cost Element (KSTAR)

CSKB (Cost element master data (controlling area))

Controlling Area (KOKRS)
COA (KTOPL)
Cost Element (KSTAR)
Valid to Date (DATBI)

CSKU (Cost Element Texts)

Language (SPRAS)
COA (KTOPL)
Cost Element (KSTAR)

General Ledger

SKB1 (G/L account master (company code))

Company Code (BUKRS)
G/L Account (SAKNR)

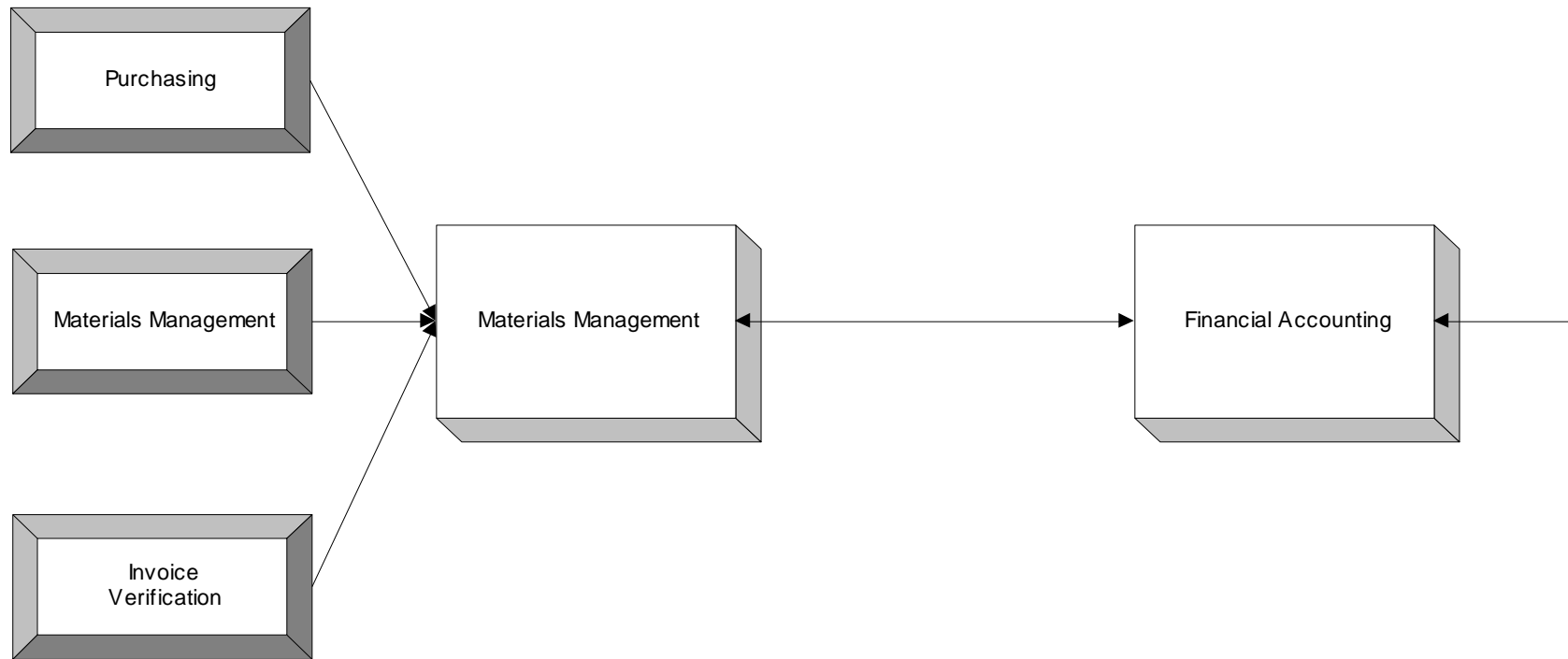
SKA1 (G/L accounts master (chart of accounts))

COA (KTOPL)

SKAT (G/L account master record (accounts: description))

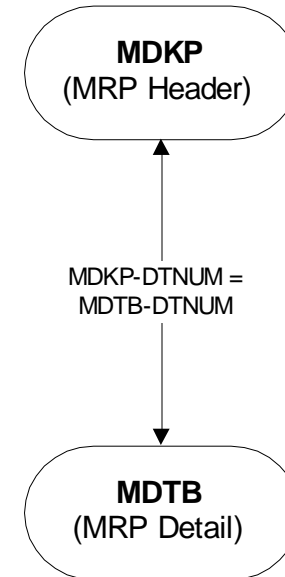
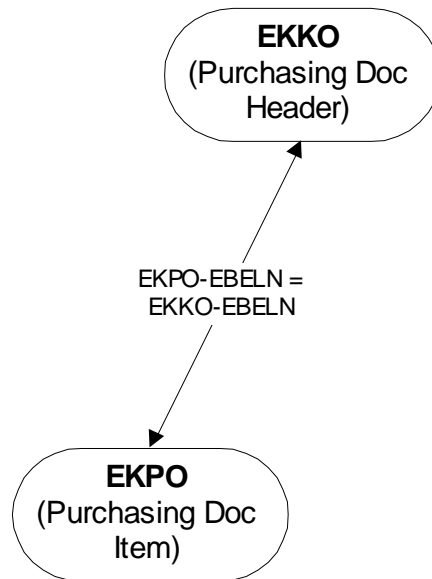
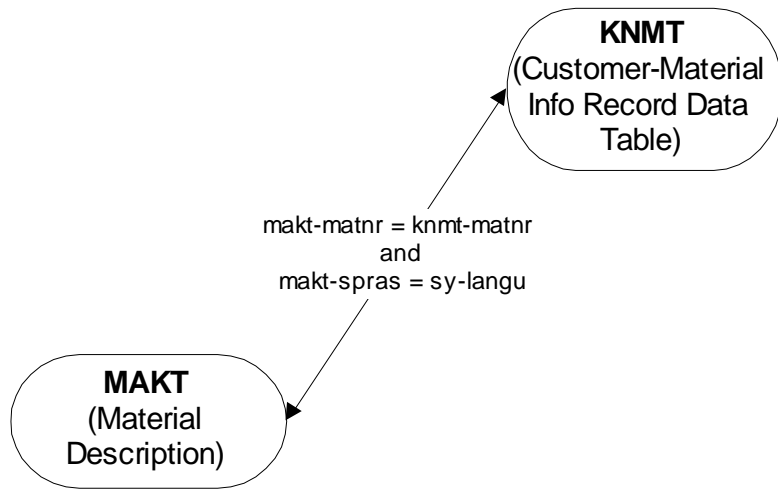
Language (SPRAS)

SAP - Materials Management



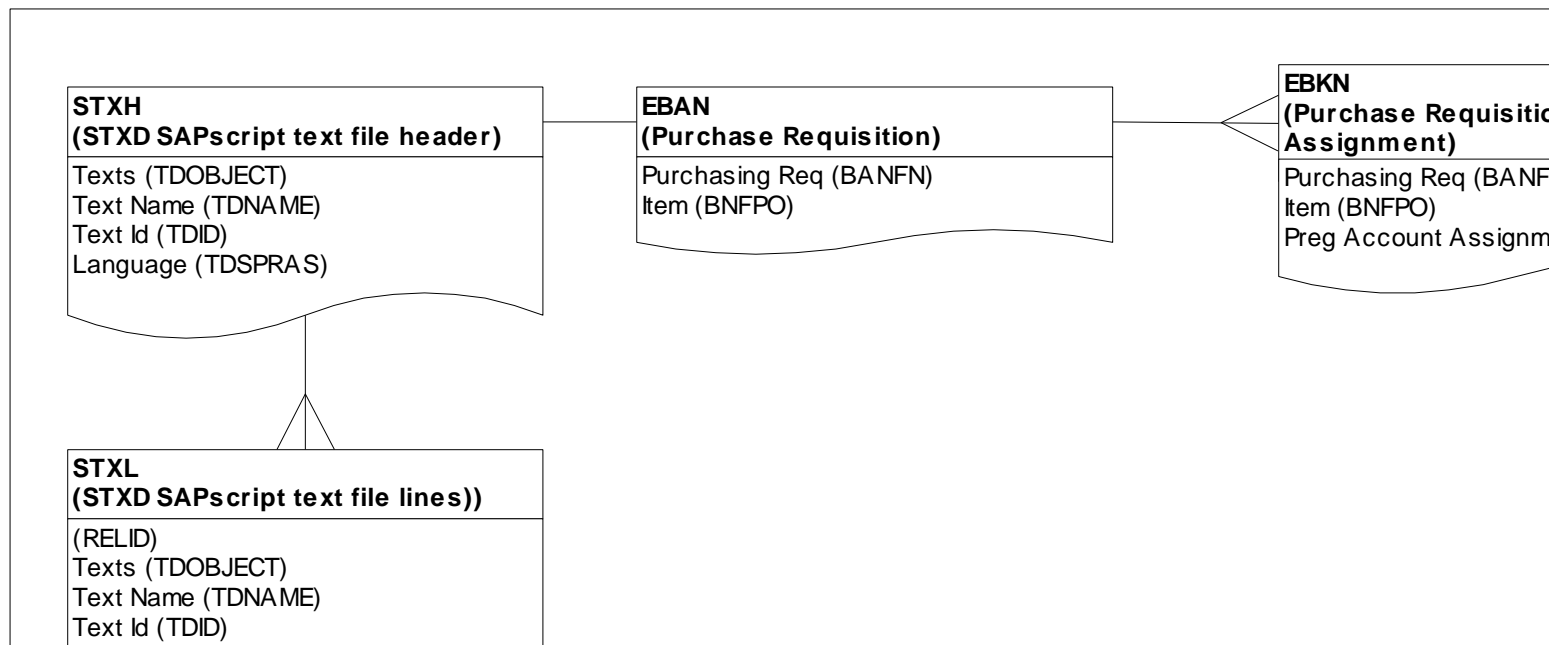
Tables:

EKKO
EKPO
KNMT
MAKT



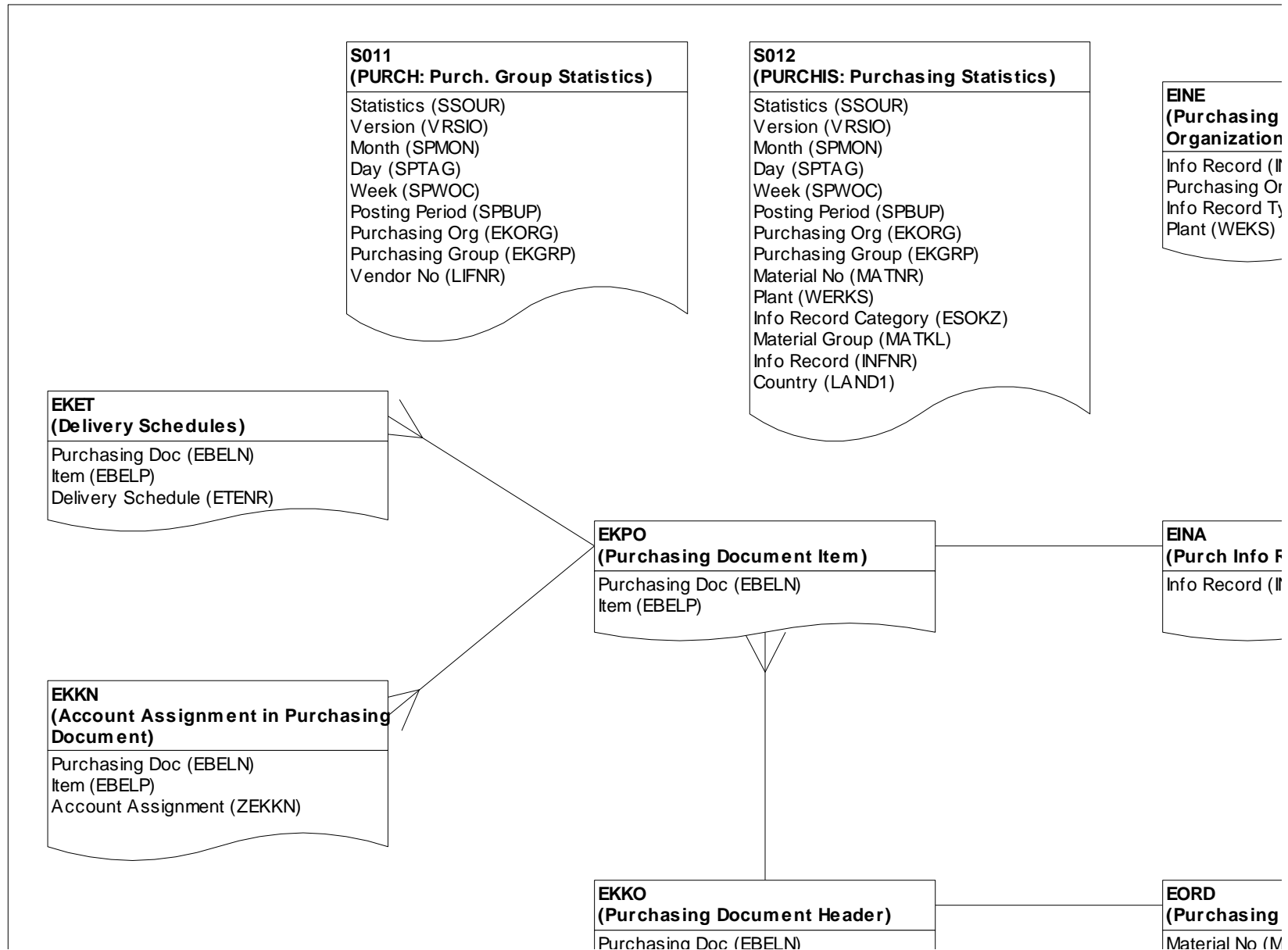
SAP MM - Purchasing

Purchasing Requisition



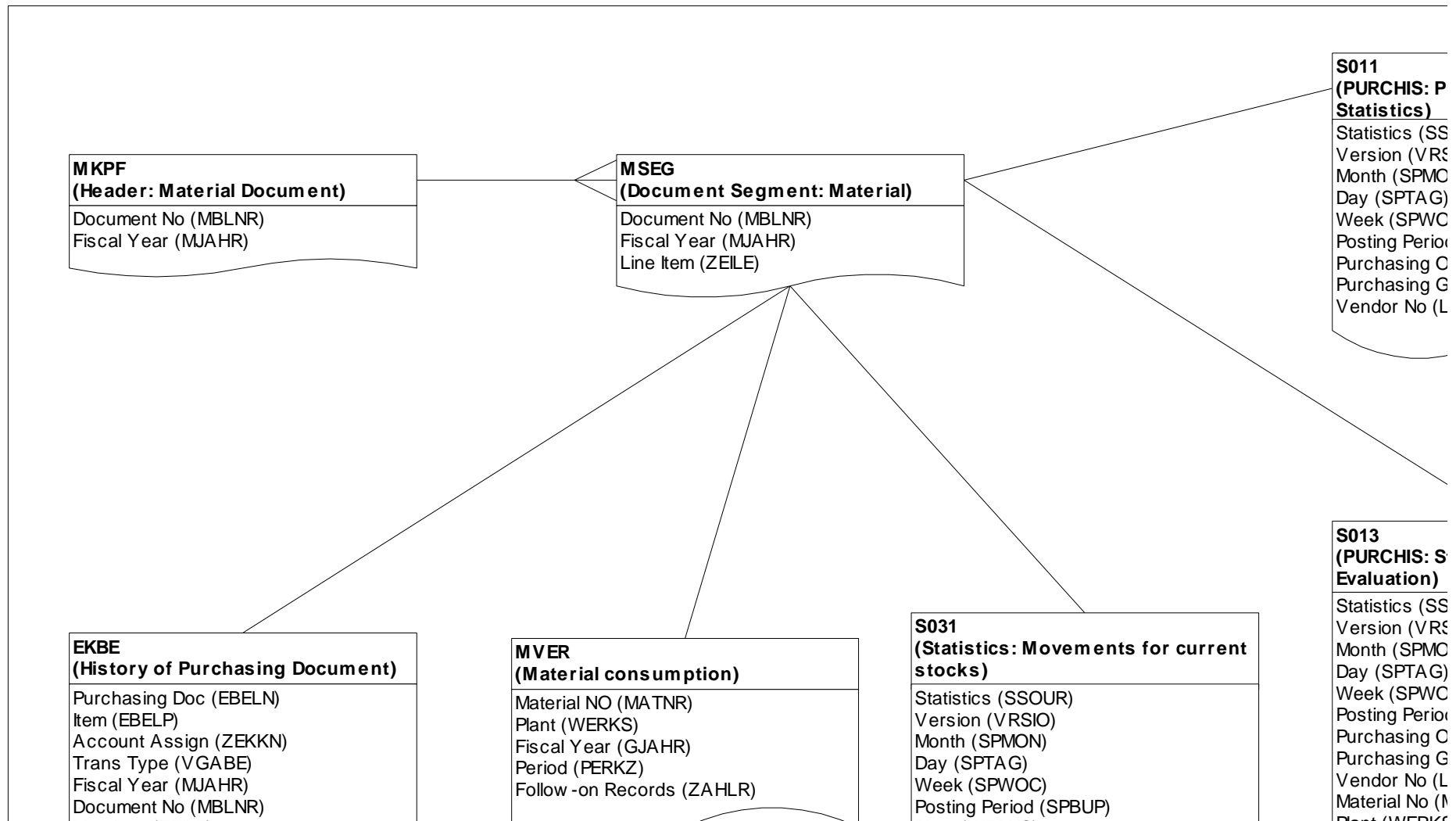
SAP MM - Purchasing

Purchase Orders

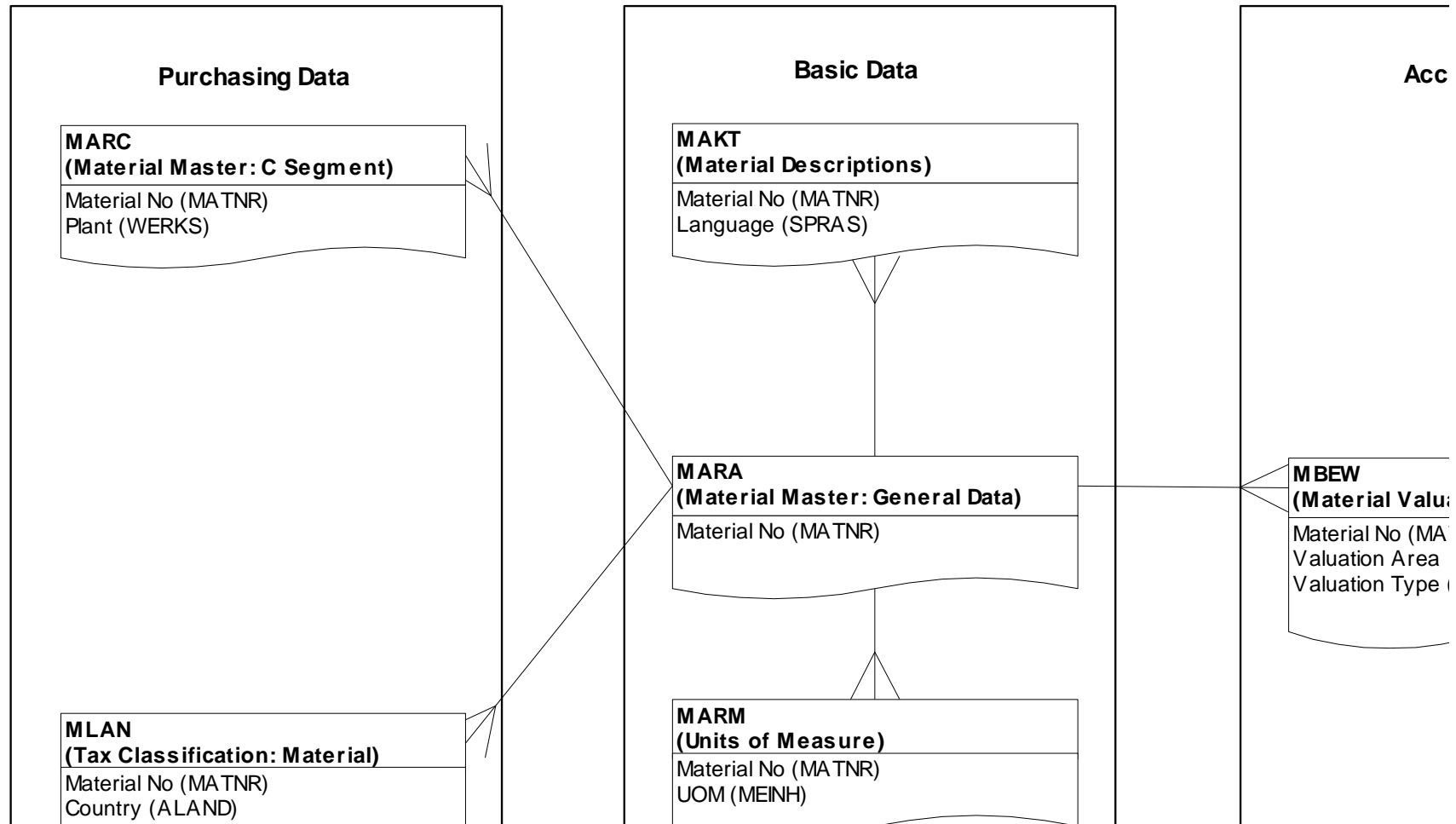


SAP MM - Purchasing

Goods Receipt

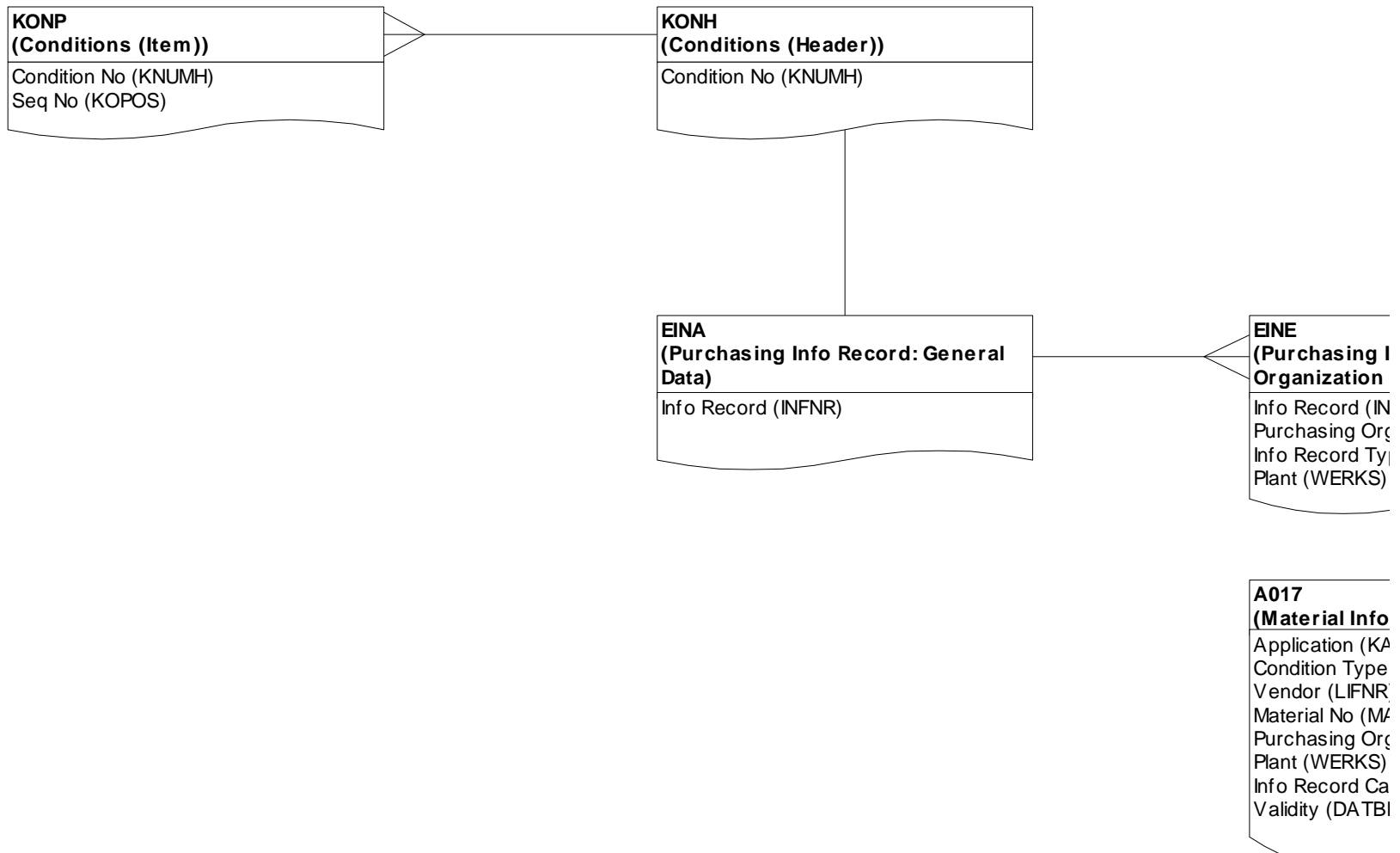


SAP MM - Master Data



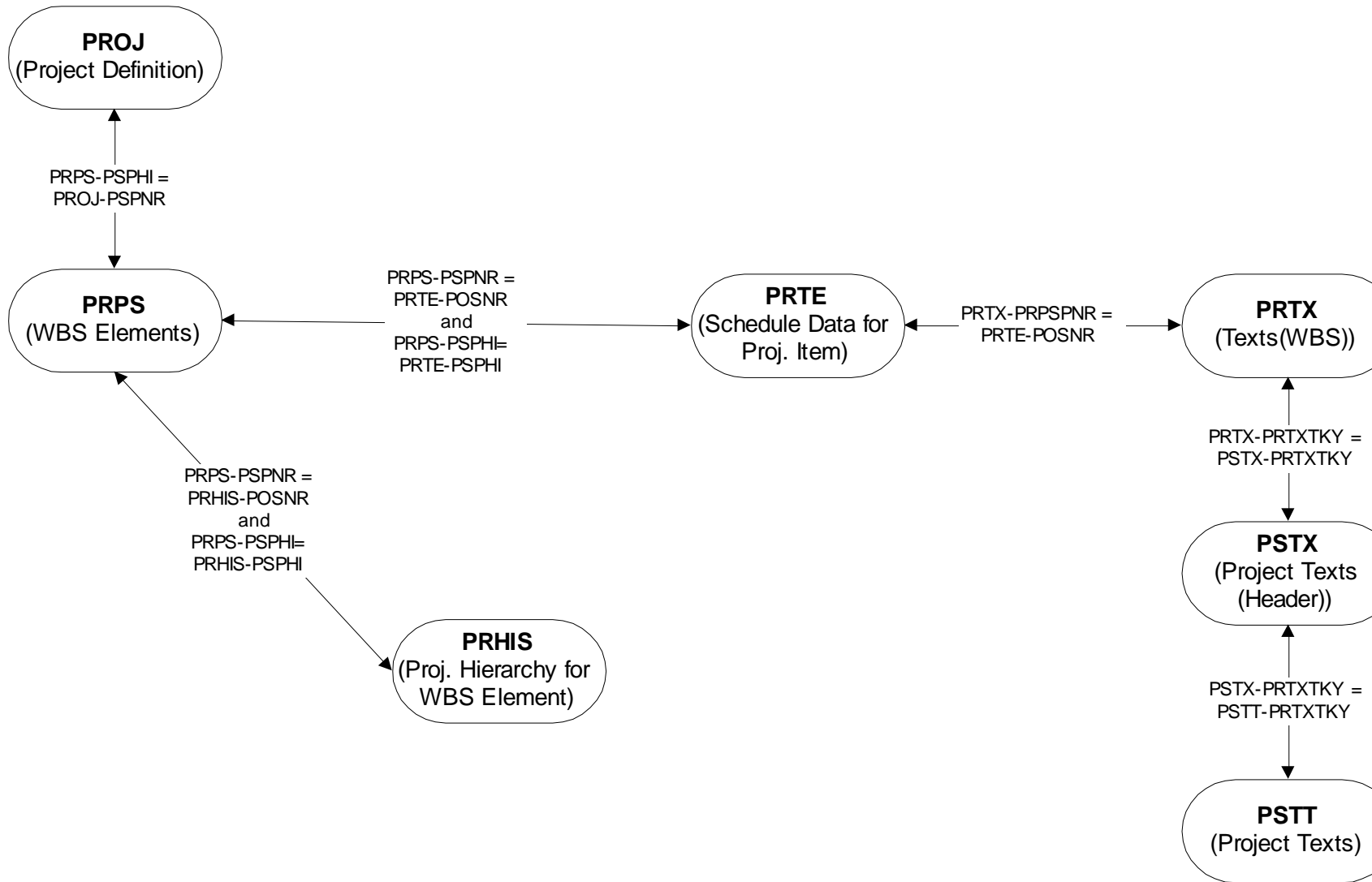
SAP MM - Purchasing

Purchasing Info Record



SAP - Project Planning

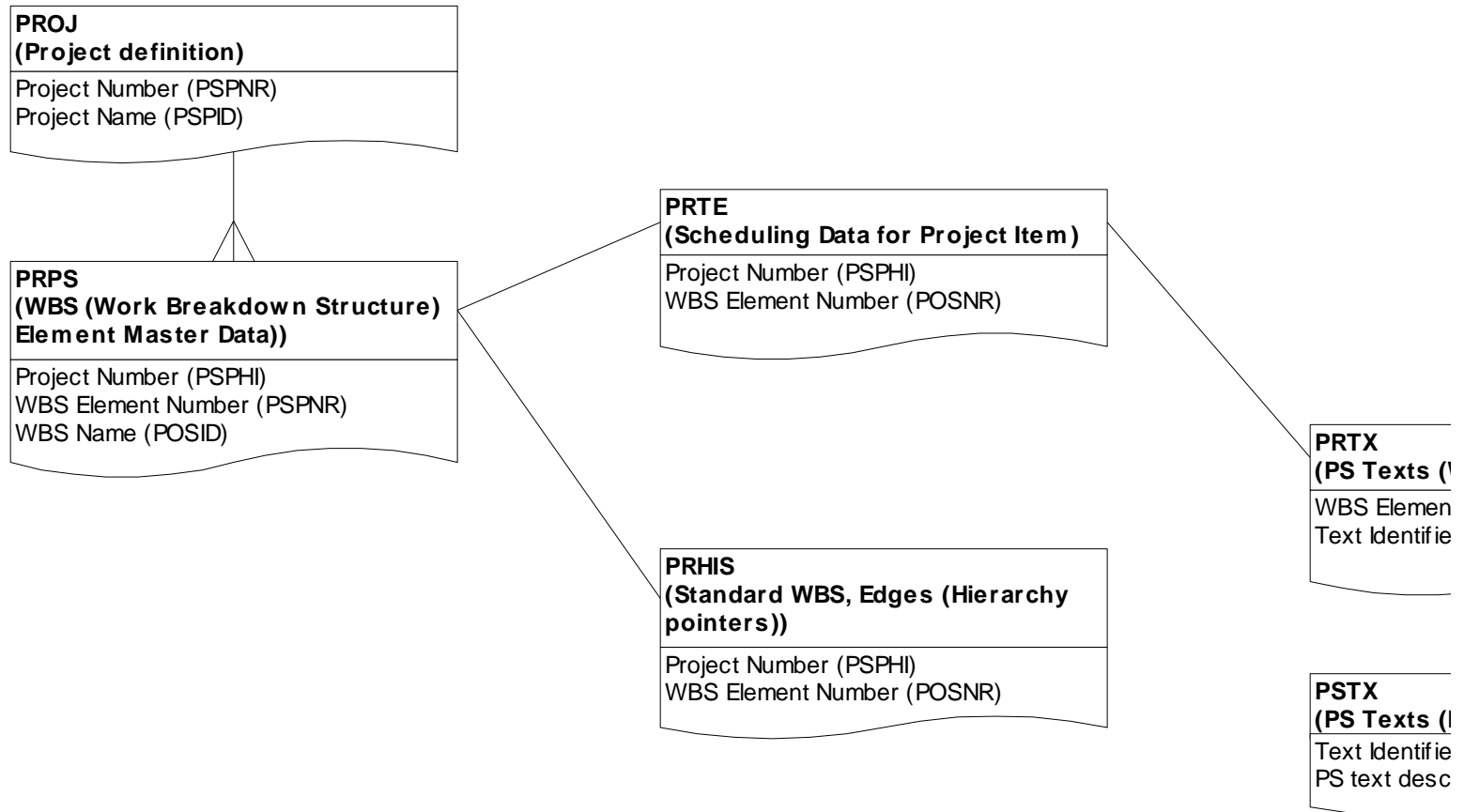




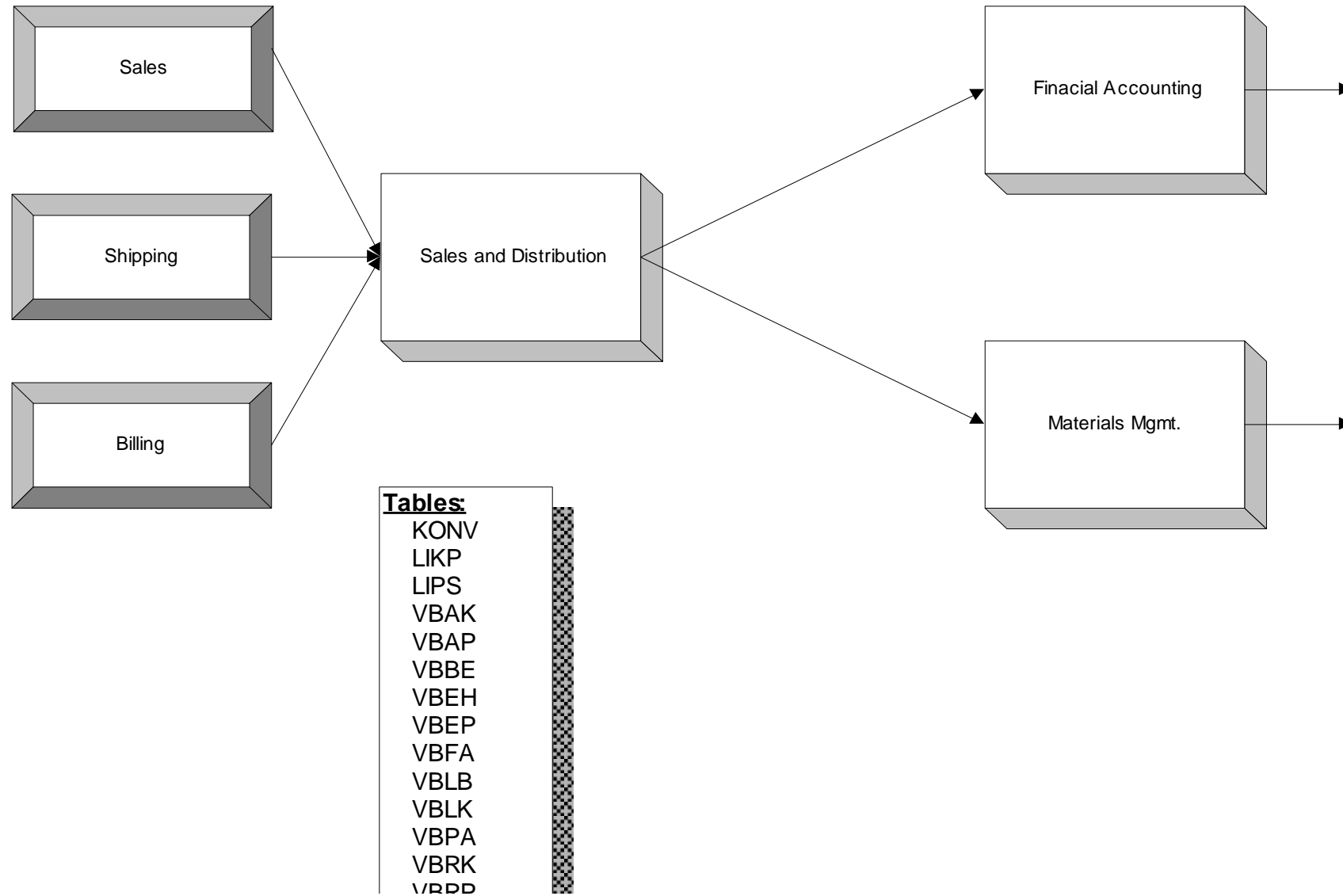
SAP PP - Project Planning

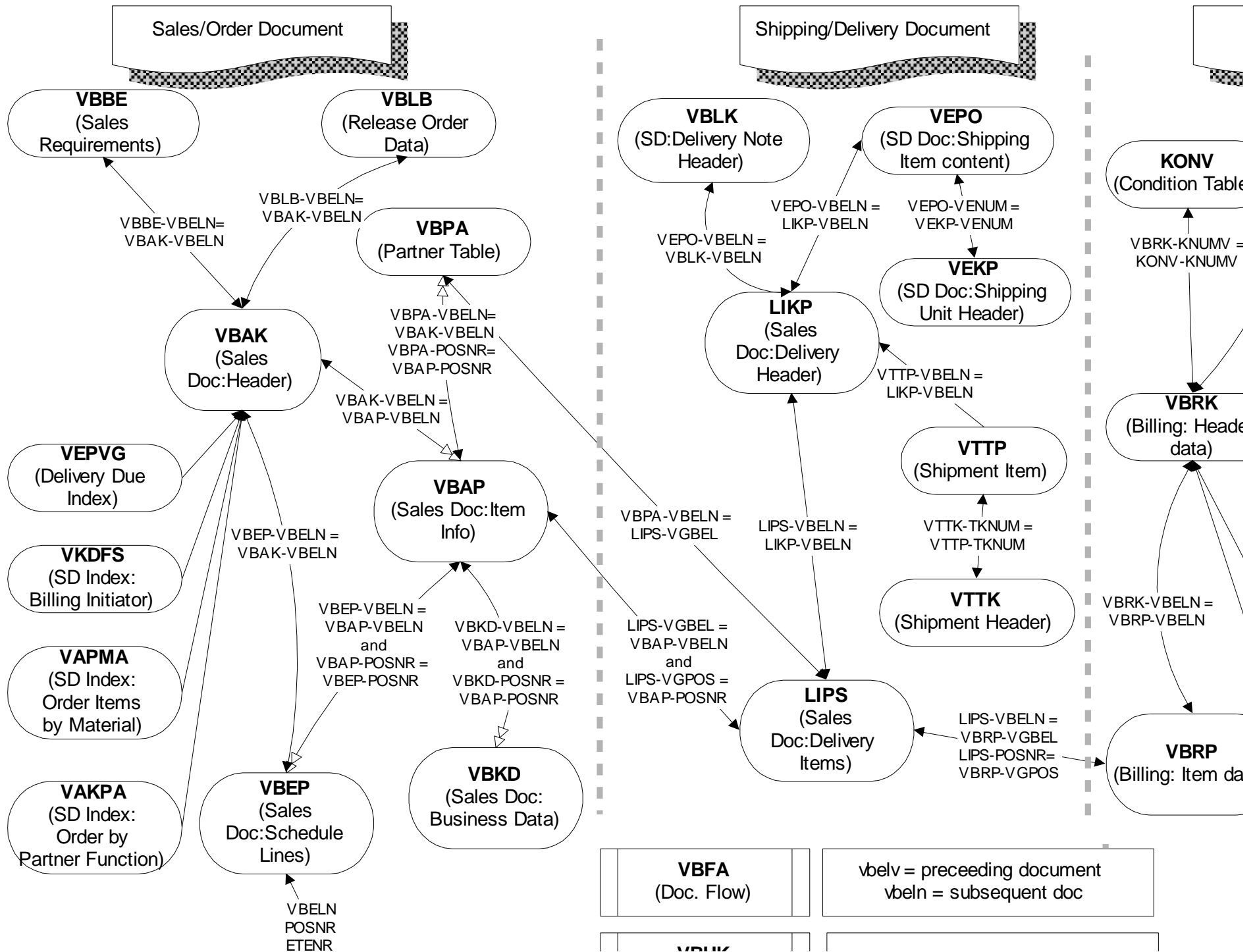
PROJECTS

Project and WBS element numbers have a domain with a conversion function module which converts it from 8 numc input to 24 char on output.



SAP - Sales and Distribution





SAP SD - Sales Tables

VKDFS (SD Index: Billing Initiator)
Billing Cat (FKTYP)
Sales Org (VKORG)
Billing Date (FKDAT)
Customer (KUNNR)
Billing Type (FKART)
Country (LLAND)
Sales doc (VBELN)

VAPMA (SD Index: Order Items by Material)
Material No (MATNR)
Sales Org (VKORG)
Trans Group (TRVOG)
Document Date (AUDAT)
Distribution Channel (VTWEG)
Division (SPART)
Document Type (AUART)
Sold-to-Party (KUNNR)
Sales Office (VKBUR)
Sales Group (VKGRP)
Customer PO No (BSTNK)
User Name (ERNAM)
Sales Ord (VBELN)
Item (POSNR)

VAKPA (SD Index: Order by Partner Function)
Partner No (KUNDE)
Partner Function (PARVW)
Sales Org (VKORG)
Trans Group (TRVOG)
Document Date (AUDAT)
Sales Office (VKBUR)
Sales Group (VKGRP)
Distribution Channel (VTWEG)
Division (SPART)
Document Type (AUART)
Customer PO No (BSTNK)
Sold-to-Party (KUNNR)
User Name (ERNAM)
Sales Ord (VBELN)

STXH (STXD SAPscript text file header)
Texts (TDOBJECT)
Text Name (TDNAME)
Text Id (TDID)
Language (TDSPRAS)

VBAK (Sales Document : Header)
Sales doc (VBELN)

VBAP (Sales Document : Item Info)
Sales doc (VBELN)
Item (POSNR)

VBEP (Sales Document : Schedule Lines)
Sales doc (VBELN)
Item (POSNR)
Schedule Line (ETENR)

VBUK (Header Status)
Sales doc (VBELN)

VBUP (Item Status)
Sales doc (VBELN)
Item (POSNR)

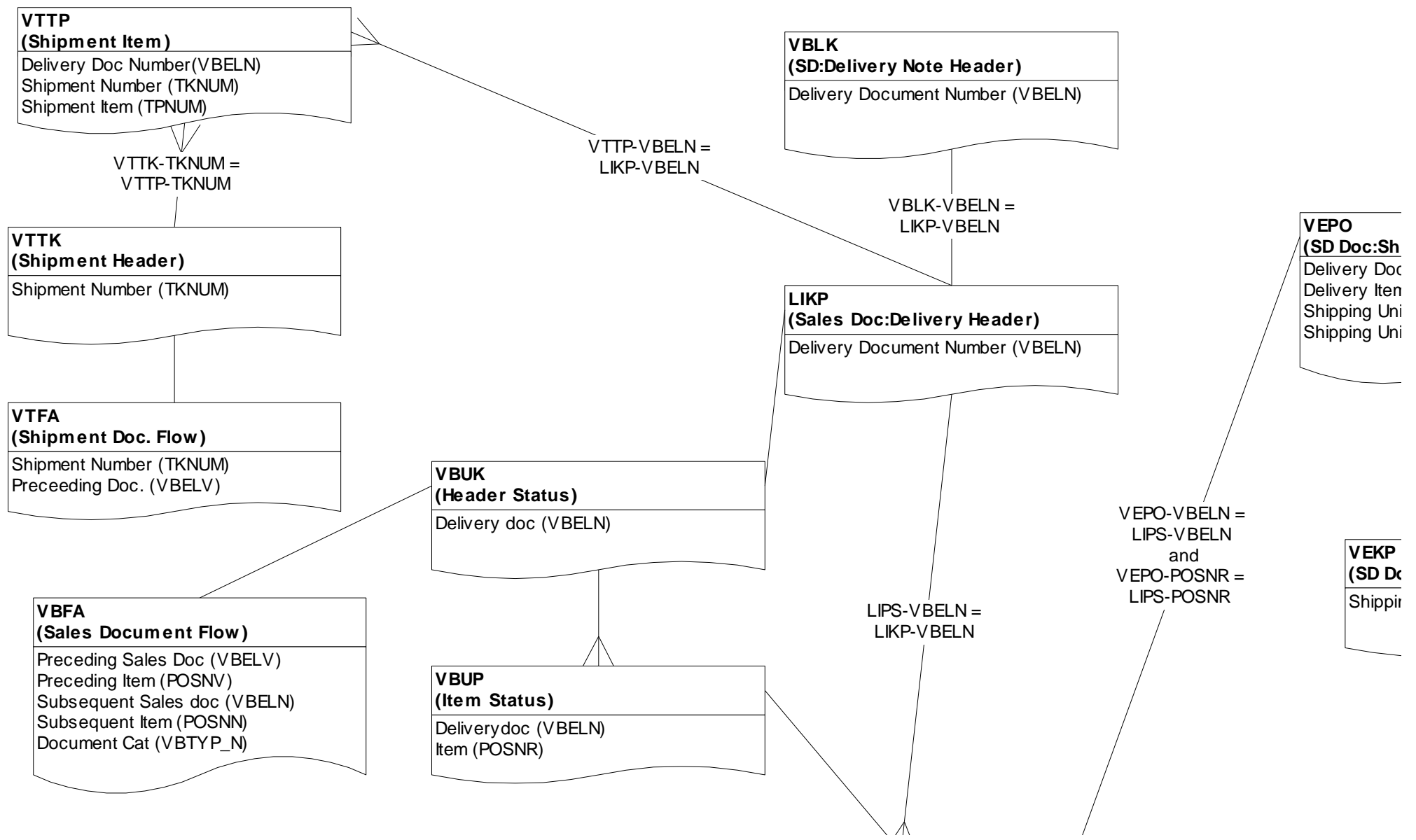
STXL (STXD SAPscript text file line)
(RELID)
Texts (TDOBJECT)
Text Name (TDNAME)
Text Id (TDID)
Language (TDSPRAS)

VBFA (Sales Document : Previous/Next)
Preceding Sales Doc
Preceding Subsequent Document
Subsequent Sales Doc
Subsequent Document

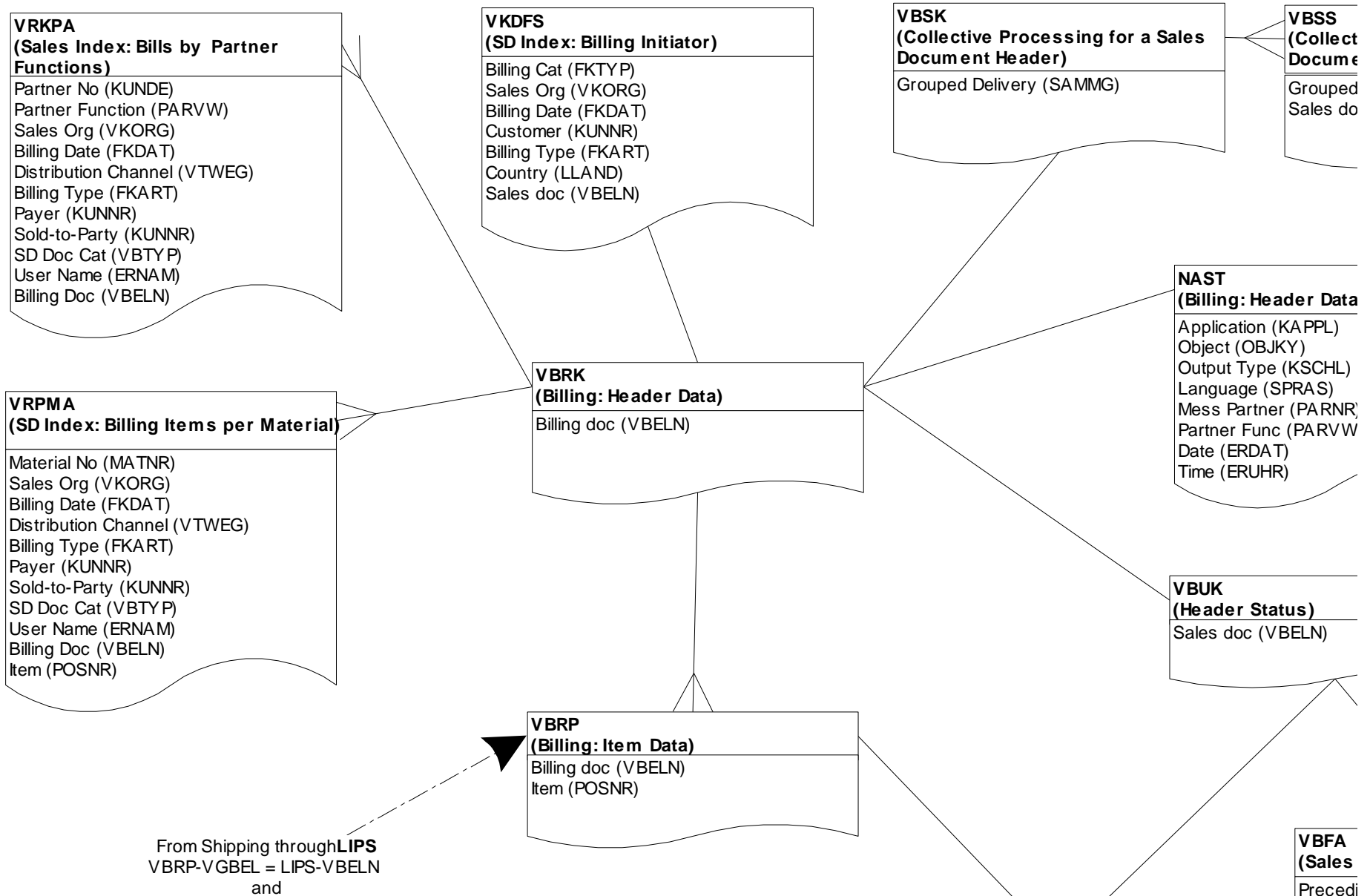
VBKD (Sales Document : Billing)
Sales doc (VBELN)
Item (POSNR)

To Shipping through LIPS
 LIPS-VGBEL = VBAP-VBELN
 and
 LIPS-VGPOS = VBAP-POSNR

SAP SD - Shipping Tables

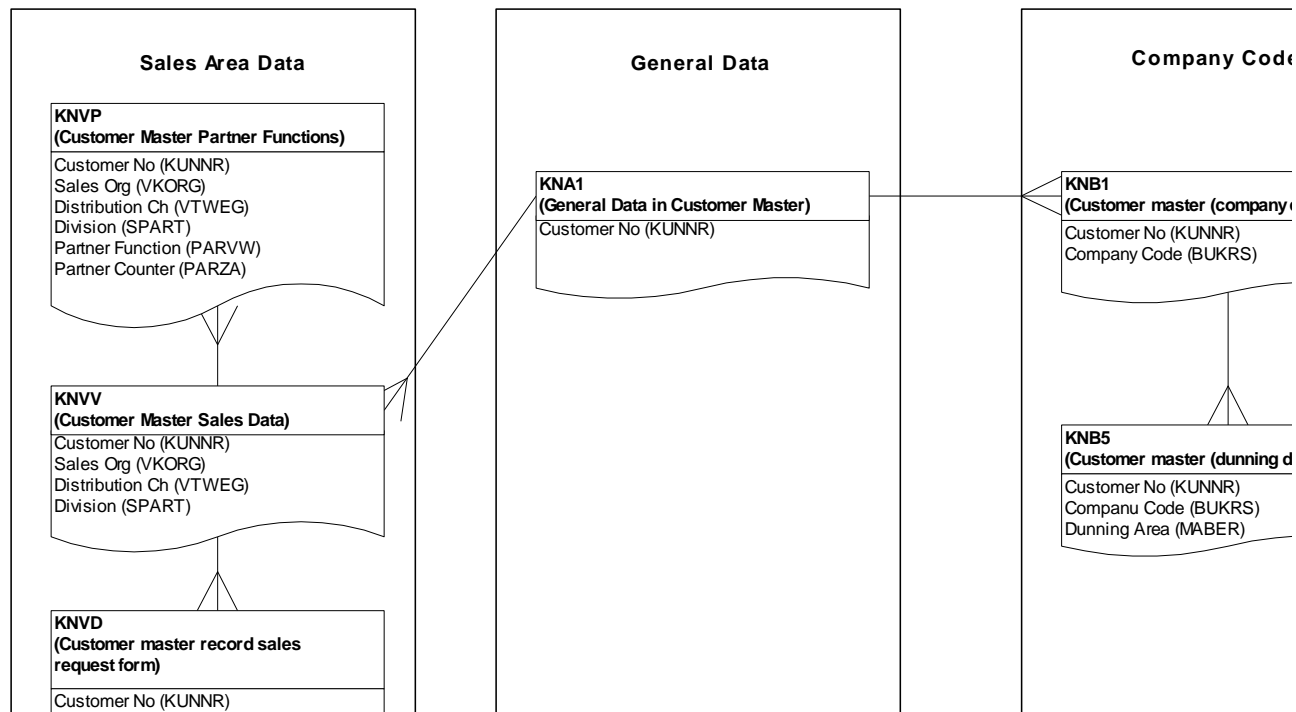


SAP SD - Billing Tables



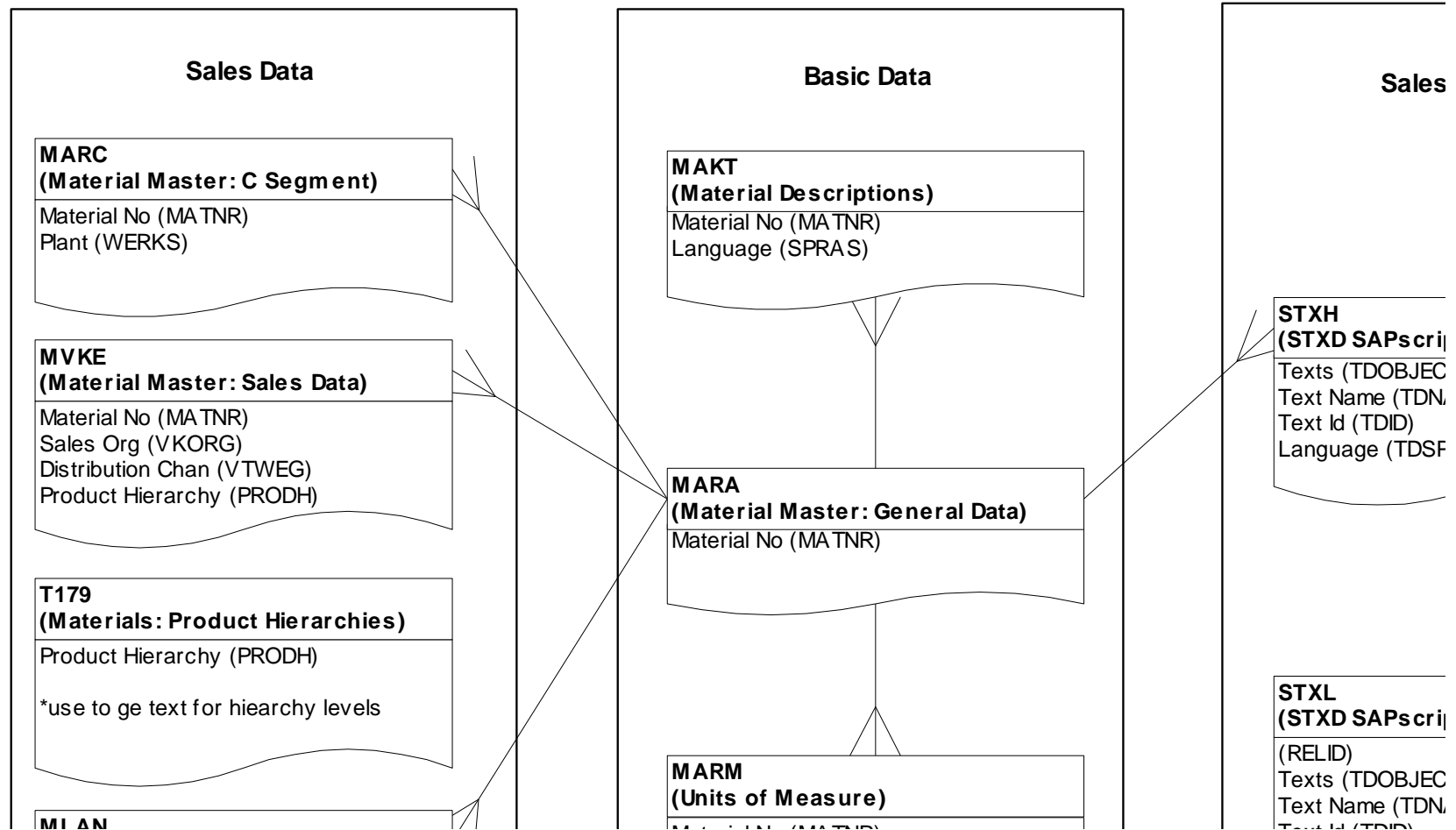
SAP SD - Links to FI Tables

Customer Master Data



SAP SD - Links to MM Tables

Material Master Data



Contributions by

Master Data

Jim Lewis (Whittman-Hart, inc.)

F/CO

Michael Rhodes (MedPartners, inc.)

HF

MM

Jim Lewis (Whittman-Hart, inc.)
Michael Rhodes (MedPartners, inc.)

PP

SI

Paul Evans (Whit
Krishna Prasad (W
Russ Smith