Lawson Healthcare Supply Chain Analytics User Guide

Version 10.0.0.x
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Version Log

The version log describes the changes between versions of this document.

Part Number	Release Date	Description
HCSCUG-10000	April 2012	First version of Lawson Healthcare Supply Chain Analytics 10.0.0.0.
HCSCUG-10003	July 2012	Patch 10.0.0.3 Updated Days on Hand KPIs.
HCSCUG-10004	August 2012	Patch 10.0.0.4 Updated Spend cube based on APDISTRIB records, changed various dimensions, and introduced Vendor Item.
HCSCUG-10005	September 2012	Patch 10.0.0.5 Updated Inventory cube calculations and Item dimensions.
HCSCUG-10006	December 2012	Patch 10.0.0.6 Updated Inventory cube calculations and Item dimensions, and introduced Item Type.
HCSCUG-10007	February 2013	Patch 10.0.0.7 A new fact table, Vendor Returns, was added to Buyer Supplier cube along with several new dimensions: Return Status, Return Number, Vendor Item, PO Number, and PO Number - Header Level.

Contents

What is Lawson Healthcare Supply Chain Analytics?

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Lawson Healthcare Supply Chain Analytics is part of the Lawson Analytics for Healthcare Suite and addresses the need for greater visibility into detailed spend activities, identification of possible savings opportunities, performance monitoring, and role-based insight. Lawson Healthcare Supply Chain Analytics will help organizations quickly access key financial metrics and performance indicators.

Who Should Use This Product?

CFO, VP Supply Chain, Materials Managers, Department Managers, and other key stakeholders of the organization's financial performance

Components

This topic describes the basic components of Lawson Healthcare Supply Chain Analytics.

BMM

The Business Measurement Model (BMM) extracts and transforms the source data into an analytical data model that contains fact tables and dimension tables.

OLAP Cubes

The online analytical processing (OLAP) cubes summarize data along defined dimensions and hierarchies.

Lawson ViewPoint for Lawson Business Intelligence Views (Optional)

Lawson ViewPoint for Lawson Business Intelligence is an interactive analytic tool that allows you to build task-specific views of data. With Healthcare Supply Chain delivered Views, you can:

*   "Slice and dice" data in many ways to look at information from multiple viewpoints

*   Pivot the data table for alternate presentations

*   View analytical calculations to gain deeper insight into business conditions

What is an OLAP Database?

Lawson Healthcare Supply Chain Analytics retrieves data stored in Lawson relational databases as well as non-Lawson sources and transforms it into a multidimensional database, or *datamart*, and stores it in an OLAP database.

OLAP is an efficient way to aggregate data. OLAP works with facts, and facts are numbers. OLAP cubes are efficient at counting, summing, and averaging. Facts can be grouped and organized into dimensions. OLAP databases store data differently than relational databases. Relational databases store data in two dimensions (rows and columns); OLAP databases store data in multiple dimensions.

An OLAP database is:

*   Fast

*   Flexible

*   Interactive

Lawson S3 Applications Setup

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This chapter provides information about setting up Lawson S3 applications.

Account Groups (Optional)

Use Account Group (RW40.3) to combine sequential or nonsequential account ranges into one group for reporting and inquiries.

For example, if you want to analyze only the accounts 4000 through 4999 and 6000 through 6999, you can define an account group to include just the accounts from 4000 to 4999 and 6000 to 6999.

While selecting the sequential range of 4000 through 6999, all the accounts would be included.

Company Groups (Optional)

Use Company Group (GL11.1) to define and maintain a company group. A company group is a group of multiple companies.

Level Groups (Optional)

Use Level Group (RW40.1) to combine sequential and nonsequential level ranges into one group for reporting and inquiries.

For example, if you want to display the consolidated totals of department 1, department 3, and department 9, you can define a level group to include just the three ranges representing each department. If you would select the sequential range 1-9, the range includes values from other departments.

Attributes (Optional)

Lawson Healthcare Supply Chain Analytics provides the ability to define alternate views of your organization and your Chart of Accounts using the S3 Attribute Matrix system. Up to 20 Accounting Unit Attributes and five Buyer, Item, Requesting Location, and Vendor Attributes can be defined in Business Performance Warehouse (BPW) that relate to the Attributes defined in S3 for those object types.

To define an attribute, you need to give it a name and associate it with an element and object type. Optionally, you can assign valid values to the attribute, limit an attribute's use to the accounting units within a company group or to the accounts within an account group, and indicate whether an attribute is required. See "Defining Attributes" in the *Lawson Supply Chain User Guide*.

After defining attributes for the Accounting Unit (ACCTU) or the Buyer (BUYER) or the Item (ITEM) or the Requesting Location (RQLOC) or the Vendor (VENDOR) object types, you can assign attribute values to an accounting unit and account. See "Assigning Attribute Values to an Accounting Unit" in the *Lawson General Ledger User Guide*. See "Assigning Attribute Values to a Buyer" in the *Lawson Supply Chain User Guide*.

See "Configuring BPW Variables" in the *Lawson Analytics for Healthcare Installation Guide*.

Non-Lawson Data Source Setup

<div style="color:red; font-weight:bold;">3</div>

Lawson Healthcare Supply Chain Analytics is based primarily on the data in S3 IC, RQ, PO, and MA modules. Non-Lawson data may also be the source for many of the key performance indicators (KPIs).

Non-Lawson Source

SCM-IC Calendar.csv

The SCM-IC Calendar.csv file provides a calendar of period beginning and ending dates for the Inventory History fact table in the Inventory Cube. The file must be populated for any years (including current) the client wants to analyze. The S3 table ICCOMPANY holds current year period end-dates; however, Analytics also requires begin-dates which are not present in ICCOMPANY. The dates in this file are used in the Inventory cube to define the periods in the Inventory History fact table.

All CSV files consumed by BPW are quoted, comma delimited. The layout for SCM-IC Calendar.csv is:

"Company", "Year", "Quarter", "Period", "Begin-Date", "End-Date"

Clients may define their periods as months, or much less commonly as quarters/weeks. If periods are months, then Quarters will all be zero and will look similar to the following:

"Company", "Year", "Quarter", "Period", "Begin-Date", "End-Date"

"1", "2001", "0", "1", "1/1/2001", "1/31/2001"

"1", "2001", "0", "2", "2/1/2001", "2/28/2001"

"1", "2001", "0", "3", "3/1/2001", "3/31/2001"

"1", "2001", "0", "4", "4/1/2001", "4/30/2001"

...

"1", "2002", "0", "1", "1/1/2002", "1/31/2002"

"1", "2002", "0", "2", "2/1/2002", "2/28/2002"

"1", "2002", "0", "2", "3/1/2002", "3/31/2002" ...

In the case of a week period setup, the file would resemble this:

"Company", "Year", "Quarter", "Period", "Begin-Date", "End-Date"

"1", "2010", "1", "1", "3/23/2009", "3/30/2009"

"1", "2010", "1", "1", "4/01/2009", "4/07/2009"

"1", "2010", "1", "1", "4/08/2009", "4/15/2009"

...

"1", "2010", "3", "1", "6/27/2009", "7/3/2010"

"1", "2010", "3", "2", "7/4/2009", "7/10/2010" ...

SCM-KPIs.csv

This file contains the names for all the pre-defined KPIs and is referenced by the ETL process. No additional information needs to be entered.

SCM-KPIGoals.csv

This file is used to enter information for the KPIs. The available KPIs for all three Supply Chain cubes are listed in the column labeled KPI Name. Default values are delivered for each KPI. Be sure to verify these values against your organization's goals and adjust as necessary. We populated them only as a default; they are not an indication of what the goal should be.

To modify the goal value, in the KPI Goal column, enter the goal value for the KPI. The columns "KPI Yellow From" and "KPI Yellow To" denote the value range that will be represented by a "yellow" status in the KPI Goal column.

See the following example:

KPI Name	KPI Goal	KPI Yellow From	KPI Yellow To
Percentage of Total Spend for PO	64	0.8	0.9
Percentage of Total Spend for Punchout	12	0.8	0.9
Percentage of Total Spend Off-Contract	30	0.8	0.9
Percentage of Total Spend on Catalog	75	0.8	0.9
Percentage of Total Spend on Non-Catalog	25	0.8	0.9
Percentage of Total Spend On-Contract	70	0.8	0.9
Percentage of On Contract Spend by GPO	70	0.8	0.9

Inventory Cube

<div style="color:red;font-size:2em;">4</div>

This chapter contains information on the data source, dimensions, measures, and key performance indicators (KPIs) included in the Inventory Cube.

Data Source

The Inventory Cube is based primarily on the data in S3 Supply Chain. Non-Lawson data may also be the source for many of the KPIs. The following figure shows the data sources used in the Inventory Cube.

Figure 1. Process Overview: Inventory Cube
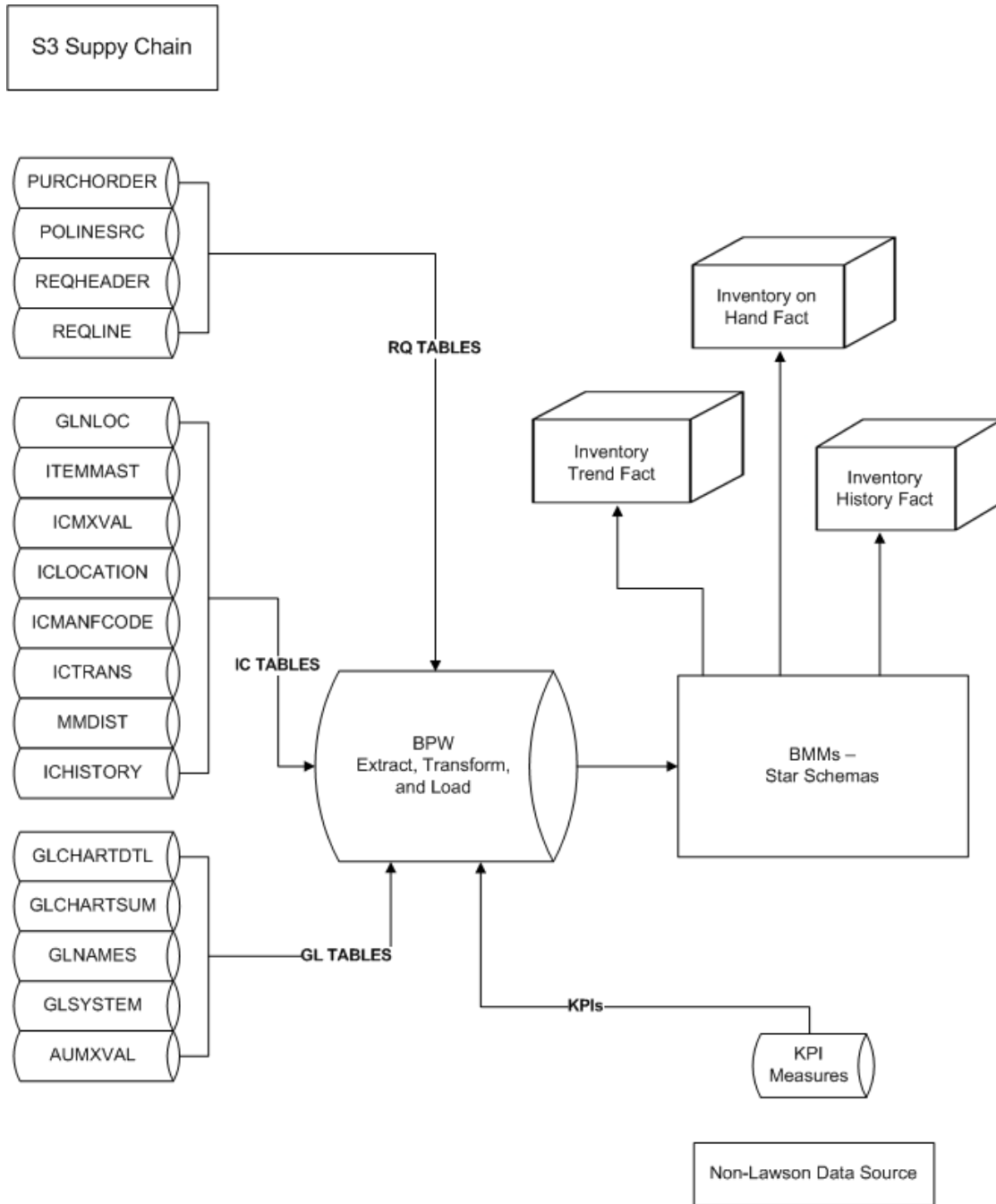
Inventory Dimensions

Name	Description	Source
Calendar		ICTRANS.Update-Date
📁 Calendar Year		
⊞ Calendar Hierarchy	Year > Quarter > Month > Date	
Date		04/02/2012
Day Of Month		1–31
Day Of Year		1–365
⊞ Days	Year > Month > Date	
Month Name		April
Month Number		4
Month Unique Name		2012 - 04 - April
Quarter Name		Q1, Q2, Q3, Q4
Quarter Number		1, 2, 3, 4
Quarter Unique Name		2012 Q2
⊞ Quarters over Years	Year > Quarter > Date	
Week		1–52
Weekday		Sunday–Saturday
Year		2012
⊞ Year - Month	Year > Month	
📁 Fiscal Year		
⊞ Fiscal Hierarchy	Fiscal Year > Fiscal Quarter > Fiscal Month > Date	
Fiscal Month Name		April
Fiscal Month Number		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fiscal Month Unique Name		FY 2012 - 04 - April
Fiscal Quarter Name		F Q2

Name	Description	Source
Fiscal Quarter Number		1, 2, 3, 4
Fiscal Quarter Unique Name		FY 2012 Q2
Fiscal Year		FY 2012
⊞ Fiscal Year - Month	Fiscal Year > Fiscal Month	
Fiscal Year		FY 2012
Fiscal Month		FY 2012 - 04 - April
Company Group		
Company Group		GLCPYGRP
Company Group Description		GLCPYGRP
GL Account	Chart of Accounts Hierarchy	
⊞ Chart of Accounts Hierarchy	Chart Name > Chart Section > Chart Level 01 > Chart Level 02 > ... > Chart Level 09	
⊞ Major Account Hierarchy	Chart Name > Major Account > Account Code and Desc	GLCHARTDTL.ACCOUNT
📁 Account Attributes		
Account Attribute 01 through 20	Up to 20 Account Attributes can be used for alternate groupings and views.	GLACCMXVAL.MX-VALUE
📁 Chart Levels	Chart Level 01 – Chart Level 09	GLCHARTSUM.SEQ-NUMBER
📁 Other Fields		
Account	Location where amounts and other account information is stored	GLCHARTDTL.ACCOUNT
Account Code	Derived from Posting Account number + Sub Account	GLCHARTDTL.ACCOUNT, SUB_ACCOUNT
Account Code and Desc	Derived from Posting Account number + Sub Account + Description	GLCHARTDTL.ACCOUNT, SUB_ACCOUNT, ACCOUNT_DESC
Account Description	Description of account	GLCHARTDTL.ACCOUNT_DESC

Name	Description	Source
Chart Name	Name assigned to chart of accounts	GLCHARTSUM.CHART_NAME
Chart Section	Balance Sheet or Income Statement	GLCHARTDTL.CHART_SECTION
Major Account	Account Code and Desc with the lowest sub-account number	GLCHARTDTL.ACCOUNT
Sub Account	Sub Account from the general ledger chart	GLCHARTDTL.SUB_ACCOUNT
📁 More Fields		
Natural Balance	Natural Balance (D or C)	GLCHARTDTL.NAT_BALANCE
Item		
⊞ Commodity Codes	Commodity Code > Item > Item Description	ITEMMAST.Commodity-Code
⊞ Consignment Items	Consignment Fl > Item > Item Description	ITEMMAST.Consignment-Fl
⊞ Generic Item	Generic > Item > Item Description	ITEMMAST.Generic
⊞ Hazardous Items	Hazard Code > Item > Item Description	ITEMMAST.Hazard-Code
⊞ Inventory Classes	Inventory Major Class > Inventory Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description
⊞ Item Groups	Item_Grp > Item > Item Description	ITEMMAST.Item-Group
⊞ Item Types	Item_Type > Item > Item Description	POLINE.Item-Type I, N, X, S, Non Item Related
⊞ NDC Codes	If NDC EXISTS = Y, then Ndc Nbr.	If ITEMMAST.Ndc-Exists = Y, then ITEMNDC.Ndc-Nbr.
⊞ Purchasing Classes	Purchasing Major Class > Purchasing Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description

Name	Description	Source
⊞ UNSPSC	Icsegment > Icfamily > Icclass > Iccommodity > Item > Item Description	ITEMMAST.Icsegment ITEMMAST.Icfamily ITEMMAST.Icclass ITEMMAST.Iccommodity
IC Segment		ITEMMAST.Icsegment
IC Family		ITEMMAST.Icfamily
IC Class		ITEMMAST.Icclass
IC Commodity		ITEMMAST.Iccommodity
Item		ITEMMAST.Item
Item Key		ITEMMAST.Item Group + ITEMMAST.Item + ITEMMAST.Description
📁 High Level Filters		
IC Class		ICITEMCODE.Iccode-Sdesc
IC Class Code		ITEMMAST.Icclass
IC Commodity		ICITEMCODE.Iccode-Sdesc
IC Commodity Code		ITEMMAST.Iccommodity
IC Family		ICITEMCODE.Iccode-Sdesc
IC Family Code		ITEMMAST.Icfamily
IC Item Code		ICITEMCODE.Icsegment-Icfamily-Icclass-Iccommodity
IC Segment		ICITEMCODE.Iccode-Sdesc
IC Segment Code		ITEMMAST.Icsegment
Inventory Major Class Code		MAJORCL.Major-Class
Inventory Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Inventory Major Class Name		MAJORCL.Description
Inventory Minor Class Code		MINORCL.Minor-Class
Inventory Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description

Name	Description	Source
Inventory Minor Class Name		MINORCL.Description
Item Active Status		ITEMMAST.Status
Item Group		ITEMMAST.Item-Group
Purchasing Major Class Code		MAJORCL.Major-Class
Purchasing Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Purchasing Major Class Name		MAJORCL.Description
Purchasing Minor Class Code		MINORCL.Minor-Class
Purchasing Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description
Purchasing Minor Class Name		MINORCL.Description
📁 Item Attributes		
Item Attribute 01…20		ICMXVAL
📁 Low Level Filters		
Item		ITEMMAST.Item
Item Description		ITEMMAST.Description
Item Description 2		ITEMMAST.Description2
Item Key	Item Group > Item > Item Description	ITEMMAST.Item-Group + ITEMMAST.Item + ITEMMAST.Description
Item Long Name		ITEMMAST.Item + ITEMMAST.Description + ITEMMAST.Description2
Stock UOM		ITEMMAST.Stock-UOM
Item Location		
⊞ Company - Item Location	IC Company> IC Location Code	ICLOCATION.Company + ICLOCATION.Code

Name	Description	Source
⊞ Item Locations	IC Location > Location Name > Item Loc GLN And Description	ICLOCATION.Code and ICLOCATION.Name + GLNLOC.GLN + GLNLOC. Description
📁 GLN	Global Location Number	GLNLOC.GLN
Company GLN	Company Global Location Number	GLNLOC.GLN
Company GLN And Description	Company GLN and Description	GLNLOC.GLN + GLNLOC. Description
Item Loc GLN	Item Location Global Location Number	GLNLOC.GLN
Item Loc GLN And Description	Item Location GLN and Description	GLNLOC.GLN + GLNLOC. Description
📁 Item Location Attributes		
Item Location Attribute 01…05		ICLMXVAL
📁 More Fields		
Company	IC Company this Location belongs to	ICLOCATION.Company
Item Location Code		ICLOCATION.Code
Item Location Long Name	Location Code + Location Name	ICLOCATION.Code + ICLOCATION.Name
Item Location Name		ICLOCATION.Name
Item Location Type	Inventory, Par, Exchange Cart	ICLOCATION.Location-Type
		Blank = Inventory-Location, P = Par, E = Exchange-Cart
Item Type		
Item Type	I, N, X, S	In the Inventory Cube: ICTRANS is the source for I type items in the "Stock Transactions" measures.
		ICHISTORY is used as the source for I type items in the "IC History" measures.

Name	Description	Source
Item Type Description	Translation of I, N, X, S	Translation of Item Type
	I = Inventory, N = Non Stock, X = Special, S = Service	In the Spend Cube on summarized distribution records (which do not include item detail), the item member will be "ZZSUMDIST" to designate that it is a summarized posting.
Manufacturer		
⊞ Item Group - Manufacturer	Item Group > Manufacturer Name > Manufacturer GLN and Desc	ICMANFCODE.Item-Group + ICMANFCODE.Description + GLNLOC.GLN + GLNLOC.Description
⊞ Manufacturer - Division	Manufacturer Name > Division Name > Manufacturer GLN and Desc	ICMANFCODE.Description + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC.Description
⊞ Manufacturer Code - Division Code	Manufacturer Code > Division Code > Manufacturer GLN and Desc	ICMANFCODE.Manuf-Code + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC.Description
📁 GLN		
Manufacturer GLN		GLNLOC.GLN
Manufacturer GLN and Desc		GLNLOC.GLN + GLNLOC.Description
📁 More Fields		
Manufacturer Code	Manufacturer Code	ICMANFCODE.Manuf-Code
Manufacturer Long Name	Manufacturer Code and Manufacturer Description	ICMANFCODE.Manuf-Code + ICMANFCODE.Description
Manufacturer Name	Manufacturer Description	ICMANFCODE.Description
Organization		

Name	Description	Source
⊞ Company Hierarchy	GLNAMES.Company > GLNAMES.Offset Acct_Unit - GLNAMES.R_Name where the IC Transaction will be posted	Use this dimension to see the distributions across Companies, Locations, Departments, etc. organized by Account Unit, Account and Sub Account.
⊞ Org Hierarchy	GLNAMES.Company GLNAMES.R_Name > Org Level 01 > Org Level 02 > Org Level 03 > Org Level 04 > Org Level 05	GLNAMES
📁 AU Attributes		
Organization Attribute 01…20		AUMXVALUE
📁 Other Fields		
Accounting Unit	The Offset Posting Accounting Unit where this transaction will be posted	GLNAMES.ACCTUNIT
Accounting Unit with Description	The Offset Posting Accounting Unit where this transaction will be posted + Accounting Unit Description	GLNAMES.ACCTUNIT, DESCRIPTION
Company Name	Company Name	GLSYSTEM.NAME
Company Number	Company Number	GLNAMES.COMPANY
Company Number Name	Company Number + Company Name	GLNAMES
Org Level 01...05	Derived from the Accounting Unit variable level number	GLNAMES.VAR_LEVEL
Org Level 01...05 with Description	Accounting Unit Description	GLNAMES.DESCRIPTION
Person Responsible		GLNAMES.PERSONRESP
Requesting Location		
⊞ Company - Requesting Location	IC Company > Requesting Location	RQLOC.Company + RQLOC. Req-Location

Name	Description	Source
⊞ Fill Kill	Fill Or Kill > Requesting Location > Req Loc GLN And Description	RQLOC.Fill-or-Kill = F or K + RQLOC.Req-Location + GLNLOC.GLN + GLNLOC. Description
📁 GLN		
Req Loc GLN		GLNLOC.GLN
Req Loc GLN And Description		GLNLOC.GLN + GLNLOC. Description
📁 Requesting Location Attributes		
Requesting Location Attribute 01…05		RQLOC Rql-Obj-id RQLMXVAL Rqv-Obj-id
📁 More Fields		
Company		RQLOC.Company
Fill Or Kill		RQLOC.Fill-or-Kill = F or K
From Company		RQLOC.From-Company
From Location		RQLOC.From-Location
Requesting Location		RQLOC.Req-Location
Requesting Location Long Name		RQLOC.Req-Location + RQLOC.Name
Requesting Location Name		RQLOC.Name
Requesting Location Status		RQLOC.Active-Status
Stockless Flag	Y or N	RQLOC.Stockless-Flag
Stock Transaction Type		
Stock Transaction Type	Translation of Doc Type Code	ICTRANS.Doc-Type
Stock Transaction Type Code	Code	ICTRANS.Doc-Type
Stock Transaction Type Long Name	Cod Type Code + Translation	ICTRANS.Doc-Type

Inventory Measures

	Name	Description	Source/Comment
Σ	**About**		
	Cube Processed Date	Last processing date of the cube	BPW
	Cube Version	Version of the build	BPW
	Inventory ETL Date	Date of the last data extract	BPW
Σ	**Inventory History**		
📁	Adjustments		
	Adjust In Qty		Sum ICHISTORY.Adj-In-Qty
	Adjust Out Cost	Must be used with Item dimension	Sum ICHISTORY.Adj-Out-Cost
	Adjust Out Qty		Sum ICHISTORY.Adj-Out-Qty
📁	Issues		
	Issue Cost	Must be used with Item dimension	Sum ICHISTORY.Issue-Cost
	Issue Qty		Sum ICHISTORY.Issue-Qty
📁	Other Measures		
	Average Inventory Value	A new measure, "Period Open Value", was created using the "Period End Value" of the prior period for the Average Inventory Value Calculation. As an example, the "Period End Value" for October becomes the "Period Open Value" for November.	Period Open Value + Period End Value / 2
	Average SOH Qty		ICHISTORY.Period-Begin-Qty + ICHISTORY.Per-End-Qty / 2

Name	Description	Source/Comment
Beginning SOH Qty	Beginning SOH Quantity is the stock on hand at the beginning of the year.	ICHISTORY.Beg-SOH-Qty
	The first time an item has a transaction in the new year, General Ledger Interface (IC130) calls a routine that builds a new ICHISTORY record for each item for the new year. The Beginning Stock On Hand Quantity and the Beginning Close Cost ("Year Open Cost" in the cube) are the values from the last period of the last year written to the new ICHISTORY record. For example, in 2012, this is the value from period 12 (or 13 or 14) closed in 2011.	
Days on Hand	Inventory Turns divided into the days in a range are used to calculate Days On Hand. If Inventory Turns are 5 (a company turns its inventory five times per year), then 365 / 5 = 73 Days on Hand.	Number of Days / Inventory Turns = Days on Hand
	Note: 2012 has 366 days and Feb 2012 has 29 days due to leap year.	
Inventory Turn Rate	Total Items that went out of stock divided by the average SOH for the period.	(ICHISTORY.Issue-Qty + ICHISTORY.Adj-Out + ICHISTORY.Tran-Out) / Avg-SOH-Qty for the same range
	For example, 215 items were issued out. If average SOH was 43, then 215 / 43 = 5. The company went through this stock five times for this period.	

Name	Description	Source/Comment
Net Transactions	Net Total of all transaction types in ICHISTORY expressed as natural balances. Net Total Transactions = Adjustments, Issues, Receipts, Sales, and Transfers of inventory. Issues, Adjustments, and Transfers are expressed as negative values because they decrease stock on hand.	+ ICHISTORY.Adj-In - ICHISTORY.Adj-Out - ICHISTORY.Issue-Qty + ICHISTORY.Receipt-Qty - ICHISTORY.Sales-Qty + ICHISTORY.Tran-In - ICHSITORY.Tran-Out = Net Transactions
Period Begin Qty	Period Begin Qty is the (ICHISTORY) Period End Qty from the prior month.	Prior period ICHISTORY.Per-End-Qty
Period Close Cost	Closing cost at period end. This value is updated each month at period close when IC190 runs. When the job is complete, the message displayed is "Period XX is now closed and Average Item Cost has been updated". This value is used with Per-End-Qty to calculate Period End Value and Average Inventory Value.	ICHISTORY.Close-Cost
Period End Qty	Period End SOH from ICHISTORY	ICHISTORY.Per-End-Qty
Period End Value	Value at Period End	ICHISTORY.Close-Cost * ICHISTORY.Per-End-Qty
Receipt Qty		Sum ICHISTORY.Receipt-Qty
Rolling 12M Avg Inv Value	Inventory Values averaged over the past 12 periods	(Period End Value (period 3) + Period End Value (period 4) + Period End Value (period 5) + Period End Value (period 6) + … (and so forth for 12 consecutive periods)) / 12

Name	Description	Source/Comment
Year Open Cost	Year Open Cost comes from the Beginning Close Cost field in ICHISTORY. It represents the closing cost at the end of the prior year.	ICHISTORY.Beg-Close-Cost
	The first time an item has a transaction in the new year, General Ledger Interface (IC130) calls a routine that builds a new ICHISTORY record for each item for the new year. The Beginning Stock On Hand Quantity and the Beginning Close Cost ("Year Open Cost" in the cube) are the values from the last period of the last year written to the new ICHISTORY record. For example, in 2012, this is the value from period 12 (or 13 or 14) closed in 2011.	
📁 Sales		
Sales Cost	Must be used with Item dimension	Sum ICHISTORY.Sales-Cost
Sales Price		Sum ICHISTORY.Sales-Price
Sales Qty		Sum ICHISTORY.Sales-Qty
📁 Transfers		
Transfer In Qty		Sum ICHISTORY.Tran-In-Qty
Transfer Out Cost	Must be used with Item dimension	Sum ICHISTORY.Tran-Out-Cost
Transfer Out Qty		Sum ICHISTORY.Tran-Out-Qty
Σ **Inventory On Hand**		
Current Inventory Value	This measurement is calculated as of the extract date. It can only be used with the Item Location and Item dimensions.	Sum total of Current Stock on Hand * Last Issued Cost
Σ **Inventory Requisitions**		

Name	Description	Source/Comment
📁 All Requisitions		
Count Of Requisition Lines	Count of Requisition lines	
Request Extended Amount	Extended Value of the Requisitioned Qty	REQLINE.Qty * REQLINE. Unit-Cost
Request Qty In Stock UOM	Requisitioned Qty in Stock UOM	REQLINE.Qty
Request Return Quantity	Requisition Return Qty	Line Count (where REQLINE. Killed-Qty not 0) divided by count of REQLINE
📁 Killed Requisitions		
Killed Extended Amount	Total Killed Qty * Unit Cost	
Killed Quantity In Stock UOM	Total Killed Qty Stock UOM	Sum REQLINE.Kill-Quantity
Killed Requisition Line Count	Total Count of Killed Requisition lines	Line Count where REQLINE. Kill-Quantity! = 0
📁 Percentages		
% of Requisition Lines - Killed Lines	Percentage of Requisition lines that have been killed	(Total Killed Lines divided by Total Requisitioned Lines) * 100
% of Requisitioned Amt - Killed Amt	Percentage of Requisitioned amount that was killed	[(Killed Qty * Unit Cost) divided by (Requisitioned Qty * Unit Cost)] * 100
% of Requisitioned Qty - Killed Qty	Percentage of Requisitioned Qty that was killed	(Total Killed Qty divided by Total Requisitioned Qty) * 100
Σ **Stock Transactions**		
Transaction Amount	Transaction Qty multiplied by Transaction Unit Cost	Total ICTRANS.Qty multiplied by ICTRANS.UnitCost in range
Transaction Quantity	Transaction Qty * Transaction Count	ICTRANS.Qty in Range
Transactions Count	Number of ICTRANS per Document Type	Count of all ICTRANS document type (Aj, CA, IS, etc.) in range

Inventory KPIs

Value	Goal	Status	Trend	Source File
A value that has been calculated in the Inventory cube	A value for comparison with KPI value	Indicator comparing value to goal. This calculation can also include tolerance values.	Indicator comparing value to previous time's value	SCM – KPI Goals.csv
Values are listed in the KPI Names table.	Example value: 73 Goal is entered into the cube using the Source File.	Example result: Red/Yellow/Green Tolerance values are entered into the cube using the Source File.	Example comparison: Fiscal Month compared to Previous Fiscal. Month Example indicator: Up arrow or Down arrow	

KPI Names

Name	Value	Data Type
Average Inventory Unit Cost	Average Inventory Value / Average SOH Qty Per Location: Total Qty Inventory Items multiplied by their average cost and divided by the number of Inventory items	Number
Average Inventory Value	Close Cost / Period Count Sum Total SOH Qty (ITEMLOC where Tracked = Y) * (Average Cost per item) divided by (Count ITEMLOC records where Tracked = Y)	Number
Average Issue Value	Transaction Amount / Transactions Count Total value of all Items issued divided by the quantity of Items Issued	Number
Average SOH Qty	Period End Qty / Period Count Total Inventory item Qty divided by the number of Inventory items in the same range	Number

Name	Value	Data Type
🚦 Days on Hand	365 / Inventory Turn Rate Days in Time Range / Inventory Turns = Days on Hand	Number
🚦 Inventory Turn Rate	Transaction Amount / Average Inventory Value Issues Adjustments and Transfers out / Average SOH Qty for the same time range	Number

Dimension Relationships to Measure Groups

Dimensions	Measure Groups				
	Stock Transactions	Inventory History	Inventory Requisitions	Current Inventory Value	Supply Chain KPIs
Calendar	X	X	X		X
Company Group	X	X	X		X
GL Account	X				
Item	X	X	X	X	X
Item Location	X	X	X	X	X
Item Type	NA	NA	NA	NA	NA
Manufacturer	X	X	X	X	
Organization	X		X		X
Requesting Location	X		X		
Stock Transaction Type	X	X	X		X

Measures in the Inventory History measure group are extracted from the ICHISTORY file that stores data in a specific period in a specific year. This means that a hierarchical time dimension that combines a month and a year (for example, Calendar or Fiscal Hierarchy, Calendar or Fiscal Year-Month, or Month Unique Name) must be used with these measures.

The measures Average Inventory Value, Rolling 12M Avg Inv Value, Inventory Turn Rate, and Days on Hand have additional calculations added so that the summarized values at the Month, Quarter, or Year are averaged over the selected range when rolled up.

Adjust In, Adjust Out, Issue, Receipt, Sales, Transfer In, and Transfer Out Quantity measures have a summed value at the Month, Quarter, or Year because they are a sum of the selected range.

The rest of the Inventory History measures do not display a value at the summary level because they are period-only values.

Buyer Supplier Cube

5

This chapter contains information on the data source, dimensions, measures, and key performance indicators (KPIs) included in the Buyer Supplier Cube.

Data Source

The Buyer Supplier Cube is based primarily on the data in S3 Supply Chain. Non-Lawson data may also be the source for many of the KPIs. The following figure shows the data sources used in the Buyer Supplier Cube.

Figure 2. Process Overview: Buyer Supplier Cube
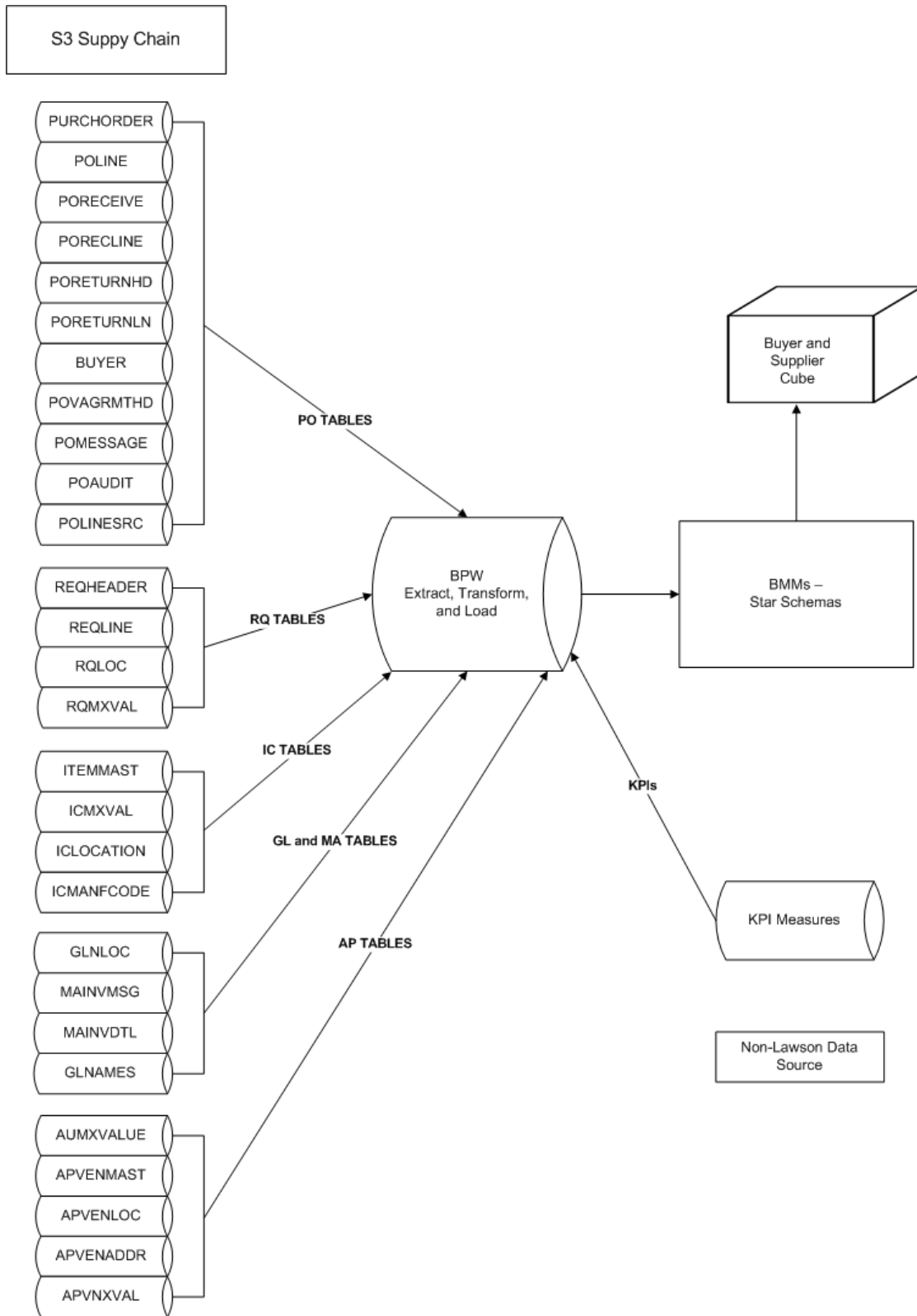
Buyer Supplier Dimensions

Name	Hierarchy	Source/Comment
Buyer		
⊞ Buyer Group - Name	Buyer Group > Buyer Name > Buyer GLN And Description	BUYER.Buyer-Grp + BUYER.Name + GLNLOC.GLN + GLNLOC.Description
📁 Buyer Attributes		
Buyer Attribute 01…05		POMXVAL
📁 GLN		
Buyer GLN		GLNLOC.GLN
Buyer GLN And Description		GLNLOC.GLN + GLNLOC.Description
📁 More Fields		
Buyer Group		BUYER.Buyer-Grp
Buyer Long Name		BUYER.Buyer-Code + BUYER.Name
Buyer Name		BUYER.Name
PO Limit		BUYER.PO-Limit
Procurement Group		BUYER.Procure-Grp
Calendar		PURCHORDER.PO-Date
📁 Calendar Year		
⊞ Calendar Hierarchy	Year > Quarter > Month > Date	
Date		04/02/2012
Day Of Month		1–31
Day Of Year		1–365
⊞ Days	Year > Month > Date	
Month Name		April
Month Number		4

	Name	Hierarchy	Source/Comment
	Month Unique Name		2012 - 04 - April
	Quarter Name		Q1, Q2, Q3, Q4
	Quarter Number		1, 2, 3, 4
	Quarter Unique Name		2012 Q2
⊞	Quarters over Years	Year > Quarter > Date	
	Week		1–52
	Weekday		Sunday–Saturday
	Year		2012
⊞	Year - Month	Year > Month	
📁	Fiscal Year		
⊞	Fiscal Hierarchy	Fiscal Year > Fiscal Quarter > Fiscal Month > Date	
	Fiscal Month Name		April
	Fiscal Month Number		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
	Fiscal Month Unique Name		FY 2012 - 04 - April
	Fiscal Quarter Name		F Q2
	Fiscal Quarter Number		1, 2, 3, 4
	Fiscal Quarter Unique Name		FY 2012 Q2
	Fiscal Year		FY 2012
⊞	Fiscal Year - Month	Fiscal Year > Fiscal Month	
	Fiscal Year		FY 2012
	Fiscal Month		FY 2012 - 04 - April
	Company Group		
	Company Group		GLCPYGRP
	Company Group Description		GLCPYGRP.Description
	Cost Code		
	Cost Code		POLINE.Cost-Cd

Name	Hierarchy	Source/Comment
Cost Code Description		Translate of POLINE.Cost-Cd
Cost Code Long Name		POLINE.Cost-Cd + Translate of POLINE.Cost Code
📁 GTIN		
⊞ Brand Owner GLNs		
Brand Owner GLN		ICITEMGTIN.Brand-Owner
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST. Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Allergens		
Latex Allergen		ICITEMGTIN.Diet-Allergen
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST. Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Brand Names		
Brand Name		ICITEMGTIN.Brand-Name
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST. Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Items		
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST. Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Mfr		
Mfr Code-Div-Num		ICITEMGTIN
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST. Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN UOMs		

Name	Hierarchy	Source/Comment
GTIN UOM		ICITEMGTIN.UOM
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN-Status		
GTIN Status		ICITEMGTIN.Status
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ Returnable GTINs		
Returnable		ICITEMGTIN.Returnable
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
📁 High Level Filters		
Brand Name		ICITEMGTIN.Brand-Name
Brand Owner GLN		ICITEMGTIN.Brand-Owner
GTIN Status		ICITEMGTIN.Status
Item Group		ICITEMGTIN.Item-Group
Latex Allergen		ICITEMGTIN.Diet-Allergen
Returnable		ICITEMGTIN.Returnable
Sterile Indicator		ICITEMGTIN.Sterile-Ind
📁 Low Level Filters		
GTIN		ICITEMGTIN.GTIN
GTIN Description		ICITEMGTIN.GTIN-Desc
GTIN Item		ITEMMAST.Item
GTIN UOM		ICITEMGTIN.UOM

Name	Hierarchy	Source/Comment
GTIN UOM-GTIN Desc		ICITEMGTIN.GTIN + ICITEMGTIN.UOM + ICITEMGTIN.Description
GTIN-GTIN UOM		ICITEMGTIN.GTIN + ICITEMGTIN.UOM
GTIN-GTIN UOM-GTIN Desc		ICITEMGTIN.GTIN + ICITEMGTIN.UOM + ICITEMGTIN.Description
Mfr Code		ICITEMGTIN.Manuf-Code
Mfr Code-Div-Num		ICITEMGTIN.Manuf-Code + ICITEMGTIN.Manuf-Division + ICITEMGTIN.Manuf-Nbr
Mfr Division		ICITEMGTIN.Manuf-Division
Mfr Number		ICITEMGTIN.Manuf-Nbr
Invoice Method		
Invoice Method	IBM, IE, INR	PURCHORDER.Invc-Mthd-Code Invoice By Mail, Invoice Electronically, Invoice Not Required
Invoice Method Code	Translation of the codes: Invoice By Mail, Invoice Electronically, Invoice Not Required	Translate of PURCHORDER.Invc-Mthd-Code IBM, IE, INR Invoice By Mail, Invoice Electronically, Invoice Not Required
Invoice Method Long Name		PURCHORDER.Invc-Mthd-Code Translate of PURCHORDER.Invc-Mthd-Code IBM Invoice By Mail, IE Invoice Electronically, INR.Invoice Not Required
Invoice Number		
Invoice By Type		
Invoice Type		
Invoice-Suffix		

Name	Hierarchy	Source/Comment
📁 More Fields		
Company		
Invoice		
Invoice Description		
Invoice-Suffix		
Invoice Type		
Invoice-Suffix-Type		
Suffix		
Issue Method		
Issue Method.Issue Method	EDI, Fax, Internet Mail, Paper, Do Not Print	E = EDI F = Fax I = Internet Mail P = Print D = Do Not Print
Issue Method.Issue Method Code	E, F, I, P, D	Translate of POREVISION.Issue-Meth = E, F, I, P
Issue Method.Issue Method Long Name	Code + Code Translation	POREVISION.Issue-Meth + Translation of the code: E = EDI F = Fax I = Internet Mail P = Print D = Do Not Print
Item		
⊞ Commodity Codes	Commodity Code > Item > Item Description	ITEMMAST.Commodity-Code
⊞ Consignment Items	Consignment FI > Item > Item Description	ITEMMAST.Consignment-FI
⊞ Generic Item	Generic > Item > Item Description	ITEMMAST.Generic

	Name	Hierarchy	Source/Comment
⊞	Hazardous Items	Hazard Code > Item > Item Description	ITEMMAST.Hazard-Code
⊞	Inventory Classes	Inventory Major Class > Inventory Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description
⊞	Item Groups	Item Group > Item > Item Description	ITEMMAST.Item-Group
⊞	Item Types	Item Type > Item > Item Description	POLINE.Item-Type I, N, X, S, Non Item Related
⊞	NDC Codes	If NDC EXISTS = Y, then Ndc Nbr.	If ITEMMAST.Ndc-Exists = Y, then ITEMNDC.Ndc-Nbr.
⊞	Purchasing Classes	Purchasing Major Class > Purchasing Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description
⊞	UNSPSC	Icsegment > Icfamily > Icclass > Iccommodity > Item > Item Description	ITEMMAST.Icsegment ITEMMAST.Icfamily ITEMMAST.Icclass ITEMMAST.Iccommodity
	IC Segment		ITEMMAST.Icsegment
	IC Family		ITEMMAST.Icfamily
	IC Class		ITEMMAST.Icclass
	IC Commodity		ITEMMAST.Iccommodity
	Item		ITEMMAST.Item
	Item Key		ITEMMAST.Item Group + ITEMMAST.Item + ITEMMAST.Description
📁	High Level Filters		
	IC Class		ICITEMCODE.Iccode-Sdesc
	IC Class Code		ITEMMAST.Icclass
	IC Commodity		ICITEMCODE.Iccode-Sdesc
	IC Commodity Code		ITEMMAST.Iccommodity
	IC Family		ICITEMCODE.Iccode-Sdesc

Name	Hierarchy	Source/Comment
IC Family Code		ITEMMAST.Icfamily
IC Item Code		ICITEMCODE.Icsegment-Icfamily-Icclass-Iccommodity
IC Segment		ICITEMCODE.Iccode-Sdesc
IC Segment Code		ITEMMAST.Icsegment
Inventory Major Class Code		MAJORCL.Major-Class
Inventory Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Inventory Major Class Name		MAJORCL.Description
Inventory Minor Class Code		MINORCL.Minor-Class
Inventory Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description
Inventory Minor Class Name		MINORCL.Description
Item Active Status		ITEMMAST.Status
Item Group		ITEMMAST.Item-Group
Purchasing Major Class Code		MAJORCL.Major-Class
Purchasing Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Purchasing Major Class Name		MAJORCL.Description
Purchasing Minor Class Code		MINORCL.Minor-Class
Purchasing Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description
Purchasing Minor Class Name		MINORCL.Description
📁 Item Attributes		
Item Attribute 01…20		ICMXVAL
📁 Low Level Filters		
Item		POLINE.Item

Name	Hierarchy	Source/Comment
Item Description		POLINE.Description
Item Description 2		ITEMMAST.Description2
Item Key	Item Group > Item > Item Description	POLINE.Item Group + POLINE. Item + POLINE.Description
Item Long Name		POLINE.Item + POLINE. Description + ITEMMAST. Description2
Stock UOM		I or N = ITEMMAST.Stock-UOM, X and S = POLINE.Stock-UOM, S with Agreement = POVAGRMTLN.UOM, X with Agreement = POVAGRMTLN. UOM
Item Location		
⊞ Company - Item Location	IC Company > IC Location	ICLOCATION.Company + ICLOCATION.Code
⊞ Item Locations	IC Location > Location Name > Item Loc GLN And Description	ICLOCATION.Code + ICLOCATION.Name + GLNLOC. GLN + GLNLOC.Description
📁 GLN	Global Location Number	GLNLOC.GLN
Company GLN	Company Global Location Number	GLNLOC.GLN
Company GLN And Description	Company GLN and Description	GLNLOC.GLN + GLNLOC. Description
Item Loc GLN	Item Location Global Location Number	GLNLOC.GLN
Item Loc GLN And Description	Item Location GLN and Description	GLNLOC.GLN + GLNLOC. Description
📁 Item Location Attributes		
Item Location Attribute 01…05		ICLMXVAL
📁 More Fields		
Company		ICLOCATION.Company

Name	Hierarchy	Source/Comment
Item Location Code		ICLOCATION.Code
Item Location Long Name	Location Code + Location Name	ICLOCATION.Code + ICLOCATION.Name
Item Location Name		ICLOCATION.Name
Item Location Type	Inventory, Par, Exchange Cart	ICLOCATION.Location-Type Blank = Inventory-Location, P = Par, E = Exchange-Cart
Item Type		
Item Type	In the Buyer Supplier Performance cube, POLINE is used and a combination of APINVOICE / MAINVDTL is used for the "Invoiced PO" measure group.	I, N, X, S In the Spend Cube on summarized distribution records (which do not include item detail), the item member will be "ZZSUMDIST" to designate that it is a summarized posting.
Item Type Description	Translation of I, N, X, S I = Inventory, N = Non Stock, X = Special, S = Service	In the Spend Cube on summarized distribution records (which do not include item detail), the item member will be "ZZSUMDIST" to designate that it is a summarized posting.
Manufacturer		
⊞ Item Group - Manufacturer	Item Group > Manufacturer Name > Manufacturer GLN and Desc	ICMANFCODE.Item-Group + ICMANFCODE.Description + GLNLOC.GLN + GLNLOC. Description
⊞ Manufacturer - Division	Manufacturer Name > Division Name > Manufacturer GLN and Desc	ICMANFCODE.Description + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC. Description
⊞ Manufacturer Code - Division Code	Manufacturer Code > Division Code > Manufacturer GLN and Desc	ICMANFCODE.Manuf-Code + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC. Description
📁 GLN		
Manufacturer GLN		GLNLOC.GLN

Name	Hierarchy	Source/Comment
Manufacturer GLN and Desc		GLNLOC.GLN + GLNLOC. Description
📁 More Fields		
Manufacturer Code		ICMANFCODE.Manuf-Code
Manufacturer Long Name	Manufacturer Code and Manufacturer Description	ICMANFCODE.Manuf-Code + ICMANFCODE.Description
Manufacturer Name		ICMANFCODE.Description
Mfr Item		
⊞ Manufacturer Item Numbers	Manufacturer Name > Manufacturer Item > Division Name > Manufacturer GLN and Desc	ICMANFCODE.Description + ICMANFCODE.Number + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC. Description
Organization		
⊞ Company Hierarchy	GLNAMES.Company > GLNAMES.Acct_Unit - GLNAMES.R_Name	Use this dimension to see the distributions across Companies, Locations, Departments, etc. organized by Account Unit, Account, and Sub Account.
⊞ Org Hierarchy	GLNAMES.Company GLNAMES.R_Name > Org Level 01 > Org Level 02 > Org Level 03 > Org Level 04 > Org Level 05	GLNAMES
📁 AU Attributes		
Organization Attribute 01…20		AUMXVALUE
📁 Other Fields		
Accounting Unit	Posting Accounting Unit Name	GLNAMES.ACCTUNIT
Accounting Unit with Description	Posting Accounting Unit Name + Accounting Unit Description	GLNAMES.ACCTUNIT, DESCRIPTION
Company Name	Company Name	GLSYSTEM.NAME

Name	Hierarchy	Source/Comment
Company Number	Company Number	GLNAMES.COMPANY
Company Number Name	Company Number + Company Name	GLNAMES
Org Level 01...05	Derived from the Accounting Unit variable level number	GLNAMES.VAR_LEVEL
Org Level 01...05 with Description	Accounting Unit Description	GLNAMES.DESCRIPTION
Person Responsible		GLNAMES.PERSONRESP
PO Number		POLINE
PO Code		POLINE.PO-Code
PO Line Nbr		POLINE.Line-Nbr
PO Num Rel Code		POLINE.PO-Number
		POLINE.PO-Release
		POLINE.PO-Code
PO-Num-Rel-Code-Line-Nbr		POLINE
📁 Quantity		
Qty In Stock UOM		Quantity Converted to Stock UOM
Quantity		POLINE.Quantity
📁 Unit of Measure		
Ent Buy UOM		POLINE.Ent-Buy-UOM
Stock UOM		ITEMMAST.Stock-UOM
UOM Multiplier		UOM Multiplier from Stock UOM to Buy UOM
PO Number - Header Level		PURCHORDER
PO Code		PURCHORDER.PO-Code
PO Num Rel Code		PURCHORDER.PO-Number > PO-Release > PO-Code
PO Release		PURCHORDER.PO-Release
Requesting Location		

Name	Hierarchy	Source/Comment
⊞ Company - Requesting Location		RQLOC.Company + RQLOC.Req-Location
⊞ Fill Kill	Fill Or Kill > Requesting Location > Req Loc GLN And Description	RQLOC.Fill-or-Kill = F or K + RQLOC.Req-Location + GLNLOC.GLN + GLNLOC.Description
📁 GLN		
Req Loc GLN		GLNLOC.GLN
Req Loc GLN And Description		GLNLOC.GLN + GLNLOC.Description
📁 Requesting Location Attributes		
Requesting Location Attribute 01…05		RQLOC Rql-Obj-id RQLMXVAL Rqv-Obj-id
📁 More Fields		
Company		RQLOC.Company
Fill Or Kill	Fill Or Kill	RQLOC.Fill-or-Kill Values are Y or N
From Company		RQLOC.From-Company
From Location		RQLOC.From-Location
Requesting Location		RQLOC.Req-Location
Requesting Location Long Name		RQLOC.Req-Location and RQLOC.Name
Requesting Location Name		RQLOC.Name
Requesting Location Status	Active or Inactive	RQLOC.Active-Status
Stockless Flag	Yes or No	RQLOC.Stockless-Flag
Return Number		PORETURNLN.Return
Return Line Number		PORETURNLN.Ret-Line-Nbr
Return Number		PORETURNLN.Return-Number
Return Reason		
Reason Code		PORETURNHD.Reason-Code

Name	Hierarchy	Source/Comment
Vendor		
⊞ Vendor Class - Name	Vendor Class Name > Vendor Name > Vendor Location Name > Vendor GLN and Description	APVENCLASS.Description
		APVENMAST.Vendor-Vname
		APVENLOC.Vendor-Location-Name
		GLNLOC.GLN + GLNLOC. Description
⊞ Vendor ID Number	Vendor Filter > Vendor 1 - N > Vendor Long Name > Vendor Location Name > Vendor GLN and Description	Vendor Filter
		APVENMAST.Vendor
		APVENMAST.Vendor List of buckets 1-N
		APVENMAST.Vendor
		APVENMAST.Vendor-Name
		APVENLOC.Vendor-Location-Name
		GLNLOC.GLN + GLNLOC. Description
⊞ Vendor Name - Location Name	Vendor Name > Vendor Location Name > Vendor GLN and Description	APVENMAST.Vendor-Vname
		APVENLOC.Vendor-Vname
		GLNLOC.GLN + GLNLOC. Description
⊞ Vendor Name A - Z	Vendor Filter > Vendor Name First Letter > Vendor Name > Vendor Location Name > Vendor GLN and Description	Vendor Filter
		APVENMAST.Name List of buckets A-Z
		APVENMAST.Vendor-VName
		APVENLOC.Vendor-Location-Name
		GLNLOC.GLN + GLNLOC. Description
📁 GLN		
AP Vendor GLN		GLNLOC.GLN
AP Vendor GLN and Description		GLNLOC.GLN + GLNLOC. Description

Name	Hierarchy	Source/Comment
PO Vendor GLN		GLNLOC.GLN
PO Vendor GLN and Description		GLNLOC.GLN + GLNLOC. Description
📁 Other Fields		
Diversity Code		APVENLOC.Diverse-Code
Location Code		APVENLOC.Location-Code
PO Vendor Long Name		POVENDLOC.Vendor
		POVENDLOC.Vendor-Name
PO Vendor Name		POVENDLOC.Vendor-Name
Vendor		APVENMAST.Vendor
Vendor Class Code		APVENMAST.Ven-Class
Vendor Class Name		APVENCLASS.Description
Vendor Filter	AP Vendors – One Time Vendors	
Vendor Group Code		APVENMAST.Vendor-Group
Vendor Group Name		APVENGROUP.Description
Vendor Location Name		APVENLOC.Location-Code
Vendor Location Type		APVENMAST.Loc-Type
Vendor Long Name		APVENMAST.Vendor + APVENMAST.Vendor-VName
Vendor Name		APVENMAST.Vendor-VName
Vendor Search Name		APVENMAST.Vendor-Sname
Vendor Status	Active or Inactive	APVENMAST.Vendor-Status
📁 Vendor Attributes		
Vendor Attribute 01…05		APVNMXVAL.Mx-Value
📁 More Fields		
Vendor - Location	Vendor Code > Location Code	APVENMAST.Vendor + APVENLOC.Vendor-Vname
📁 Sets		

Name	Hierarchy	Source/Comment
Top 20 Vendors with Perfect Orders		APVENMAST.Vendor-Name
Vendor Agreement		
⊞ Agreement Type - Agreement	Agreement Type > Agreement Description	Translate of POVAGRMTHD.Agmt-Type POVAGRMTHD.Description
📁 More Fields		
Agreement Description		POVAGRMTHD.Description
Agreement Type Name	Contract, Blanket, Catalog/Quote, Standing, Service Agreement	Translate of POVAGRMTHD.Agmt-Type
GPO	Group Purchasing Organization	POVAGRMTHD.Grp-Purch-Org
Procurement Group		POVAGRMTHD.Procure-Group
Vendor Agreement Reference		POVAGRMTHD.Ven-Agrmt-Ref
Vendor Agreement Type		POVAGRMTHD.Agmt-Type
Vendor Location		POVAGRMTHD.Purch-Fr-Loc
Vendor Item		POITEMVEN file
📁 Item Detail		
Vendor Item		POITEMVEN.Ven-Item
Vendor Item Desc		POITEMVEN.Ven-Item-Desc
Vendor Item Nbr Desc		POITEMVEN.Ven-Item + POITEMVEN.Ven-Item-Desc
Vendor Item Status		POITEMVEN.Status
Vendor Name		POITEMVEN.Vendor
Vendor Nbr		POITEMVEN.Vendor
Vendor Nbr Name		POITEMVEN.Vendor + APVENMAST.Vendor-Vname
📁 Manufacturer Info		

Name	Hierarchy	Source/Comment
Mfr Code		POITEMVEN.Mfr-Code+Mfr-Division
Mfr Number		POITEMVEN.Manuf-Nbr
📁 Units of Measure		
Buy UOM		POITEMVEN.Vbuy-UOM
Price UOM		POITEMVEN.Vpri-UOM
Vendor Return Status		PORETURNHD.Status
Status		PORETURNHD.Status
Status Long Name		Translation of PORETURNHD.Status

Buyer Supplier Measures

Name	Description	Source/Comment
Σ **About**		
Buyer Supplier ETL Date		Date of the last data extract
Cube Processed Date		Last processing date of the cube
Cube Version		Version of the build
Σ **Invoiced POs**		The PO Number dimension works with these measures. It can be broken down to the line level.
Catalog Invoiced Amt	Invoiced Amount for Catalog Items (I and N Type)	MAD.Total-Base-Amount where Item Types (Item Dim) are "I" and "N"
Count of Invoiced PO Lines	Count of PO Lines that have been invoiced	

Name	Description	Source/Comment
Count of Same PO and Match Costs	Count of PO Lines that have the same PO and (Invoiced) Match costs	Counted when MAD.Match-Unit-Cost = MAD.Entered-Unit-Cost, else 0
Entered Quantity Stock UOM	Quantity Ordered – Must be used with PO Number or Item dimension	MAD.Entered-Quantity * MAD.Entered-UOM-Multiplier
Entered Unit Cost	Must be used with PO Number or Item dimension	For example, an item has one Poline entered cost of 2.00 and two Poline entered costs of 3.00 = 2.66 Entered Cost
Match Quantity Stock UOM	Match Quantity in Stock UOM – Must be used with PO Number or Item dimension	MAD.Matched-Quantity * Vpri-UOM-Multiplier
Match Unit Cost	Sum total of Matched Unit Cost(s) – Must be used with PO Number or Item dimension	For example, an item has two poline match unit costs of 0.14 and four poline match unit costs of 14.00 = 8.04 Matched Unit Cost or 56.28 (sum) divided by 6 (number of lines) = 8.04 Matched Unit Cost
Non-Catalog Invoiced Amt	Invoiced Amount for Non Catalog Items (X Type)	MAD.Total-Base-Amount where Item Type (Item Dim) is "X"
Punchout Invoiced Amount	Invoiced Amount for Items where the Cost Code = G	MAD.Total-Base-Amount where the Cost Origin Code (Cost Code Dim) is "G"
Total Base Amount	Total of distributions: goods, tax, and AOC	Total Base Amount from MAINVDTL record
Total Distribution Amount	There can be multiple distributions.	Distribution(s) Total on MAINVDTL
Σ **PO Header Receipts**		
📁 Averages		The PO Number dimension works with these measures. It can be broken down to the line level.
Average Lines Per Receipt		Count PORECLINE / Count PORECEIVE

Name	Description	Source/Comment
Average Receipts Per PO		Count PORECEIVE / Count PURCHORDER
📁 Buyer Messages		The PO Number dimension works with these measures. It can be broken down to the line level.
% of POs Over Received		Count PORECEIVE / Count POMESSAGE.Message-Type = R
Count of Over Receipts		Count POMESSAGE. Message-Type = R
📁 PO Header Receipts		The PO Number dimension works with these measures. It can be broken down to the line level.
Count of Receipt Lines		Count PORECLINE
Count of Receipts		Count PORECEIVE
∑ **PO Headers**		
📁 Amounts		The PO Number - Header Level dimension works with these measures. It cannot be broken down to the line level.
Open PO Amount	Sum of Total Order Amount on all PURCHORDER that are not closed	Open Qty * Open Cost
Total Order Amount	Purchase Order total Value	Sum of PURCHORDER.PO-Ext-Amt
📁 Averages		
Average POs per Day	Average POs created Per Day	Number of POs / Number of Days in range
Average RQ to PO Time	Average time span from Req Creation to PO Creation	REQHEADER.Create-Date PURCHORDER.PO-Date/ Record Count

Name	Description	Source/Comment
📁 Counts		The PO Number - Header Level dimension works with these measures. It cannot be broken down to the line level.
Count Do Not Print POs	Issue Method = Do Not Print	PURCHORDER.Released = Y PURCHORDER.Issued = Y POREVISION.Revision = 0 POREVISION.Issue-Meth = D = Do Not Print Do Not Print is usually set when there is a revision to a PO where the issue method = E or if the vendor already has the order (phone orders, etc.).
Count EDI POs	Count of Purchase Orders with Issue Method = E	PURCHORDER.Released = Y PURCHORDER.Issued = Y POREVISION.PO-Revision = 0 POREVISION.Issue-Meth = E = EDI
Count Emailed POs	Count of Purchase Orders with Issue Method = I	PURCHORDER.Released = Y PURCHORDER.Issued = Y POREVISION.PO-Revision = 0 POREVISION.Issue-Meth = I = Internet Mail

Name	Description	Source/Comment
Count Faxed POs	Count of Purchase Orders with Issue Method = F	PURCHORDER.Released = Y
		PURCHORDER.Issued = Y
		POREVISION.PO-Revision = 0
		POREVISION.Issue-Meth = F = Fax
Count Open Orders	Count Purchase Order Headers in Open status	Count of all POs where PURCHORDER.Closed Fl! = "Y"
Count PCard POs	Count of Purchase Order Headers where the Pcard flag is set to Y	Sum of PURCHORDER.Pcard Card Flag = "Y"
Count PO100 Creation	Created via PO100	Where POAUDIT.User-ID = PURCHORDER.User-ID. POAUDIT.User-ID is created when PO is added; PURCHORDER.User-ID is created when PO is Released.
Count PO100 Not Released	Created Via PO100 and manually released	POAUDIT.User-ID! = PURCHORDER.User-ID
Count POs Delivered Complete	Delivered Complete = Entire PO quantity processed in one Receipt	Derived
Count POs Delivered Late	POs not fully received on or before the delivery date	Derived
Count POs Delivered On Time	Entire PO Qty received on or before the Delivery date on poline(s)	Derived
Count POs from Reqs	POs created from a Requisition	Has POLINESRC record(s)
Count POs Issued	POs that have been issued in any method	PURCHORDER.Released = Y
		PURCHORDER.Issued = Y
Count POs Not Delivered Complete	POs received in multiple shipments	Derived

Name	Description	Source/Comment
Count POs with Exceptions	"Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Type = "LN" and POAUDIT. Action = "A, C, L or B"
Count POs without Exceptions	"Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Derived
Count POs without Reqs	POs that did not originate in RQ	Does not have POLINESRC record(s)
Count POs without Revisions	POs without Revisions	PURCHORDER.Revised-Fl = N
Count Printed POs	Count of Purchase Orders with Issue Method = P	PURCHORDER.Released = Y
		PURCHORDER.Issued = Y
		POREVISION.PO-Revision = 0
		POREVISION.Issue-Meth = P = Print
Count Released POs		PURCHORDER.Released = Y
Count Revised POs		The number of POs with Revisions
Count Revised with Line Changes		POREVISION and PO Audit Records exist
Count Revised without Line Changes		POREVISION and PO Audit records do not exist
Count Touchless POs	Created Via PO100 and Automatically Released in PO100. These orders did not require buyer intervention; PO created from Requisition without ending up on the Buyer Worksheet and was transmitted electronically.	The user(s) who run(s) PO100. To enter a list of user IDs in the BPW variable "POUser", place an ampersand between each user ID. Example: "jillr&brianv &paulni"
Number of POs		Count PURCHORDER

Name	Description	Source/Comment
📁 Days		The PO Number - Header Level dimension works with these measures. It cannot be broken down to the line level.
Days from Requisition Creation to PO Creation	Time Span between Req creation and PO Creation	Days between REQHEADER. Create-Date and PURCHORDER.PO-Date
📁 Percents		The PO Number - Header Level dimension works with these measures. It cannot be broken down to the line level.
% Electronically Created	Percent of all POs created using PO100	Electronic = Manual + Touchless orders
% Manually Created	Percent of all POs created using PO100 and manually released	Manual Creation + Touchless = Electronic Creation
% of Electronic POs	Percent of all POs issued using electronic methods: E, I, F	Issued with Fax, Email, or EDI method
% of POs with Exceptions	Percent of all POs with Exceptions "Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Type = "LN" and POAUDIT. Action = "A, C, L or B"
% of Touchless POs	Percent of all POs created and released in PO100	
% POs Delivered Late	Percent of all POs not delivered in full on or before the Delivery Date	POs where the items were not all received on or before the delivery date
% POs Not Delivered Complete	Percent of all POs not delivered in a single shipment	PO received in multiple shipments
% POs Not Via EDI	Percent of all POs not sent EDI	(Number of POs – Number of POs Sent Via EDI) / Number of POs
📁 Perfect Order		The PO Number - Header Level dimension works with these measures. It cannot be broken down to the line level.

Name	Description	Source/Comment
Perfect Order - No Exceptions	POs without Exceptions "Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Type = "LN" and POAUDIT. Action = "A, C, L or B"
Perfect Order - No Vendor Returns	POs without Vendor Returns	(Receipt Extended Amount – Return Value) / Receipt Extended Amount
Perfect Order - POs Delivered Complete	POs delivered in one shipment	Entire PO Qty(s) processed in one receipt
Perfect Order - POs Delivered on Time	POs fully delivered on or before delivery date	Entire PO Qty received on or before the Delivery date on poline(s)
Perfect Order - POs Transmitted EDI	POs issued with EDI	
Perfect Order Index	Perfect Order - No Exceptions * Perfect Order - No Vendor Returns * Perfect Order - Delivered Complete * Perfect Order - Delivered on Time * Perfect Order - Transmitted via EDI = Index Value	If any of the measures has a value of 0, the index value will be 0.
∑ **PO Lines**		
📁 Averages		The PO Number dimension works with these measures. It can be broken down to the line level.
Average Lines Per PO		Count POLINE / Count PURCHORDER
Average Quantity Ordered		Sum POLINE.Qty / Count POLINE
Average Quantity Per PO Line		POLINE.Vpri-Quantity * Line Count / Nbr of POLINE
Average Unit Cost per PO Line		Sum POLINE.Vpri-Unit-Cost / Count POLINE

Name	Description	Source/Comment
Average Value Per PO Line		POLINE.Vpri-Quantity * POLINE.Vpri-Unit-Cost / Nbr of POLINE
Percent Spent by Purchase Class		Sum (POLINE.Qty * POLINE-VPRI-Unit-Cost) / [(POLINE. Qty * POLINE-Vpri-Unit-Cost) by Purchase Class]
📁 Matching		The PO Number dimension works with these measures. It can be broken down to the line level.
Matched Amount	Value of Matched items	Sum of POLINE.PO-Match-Amt
Matched Quantity - PO Lines	Matched Qty on PO Lines in entered UOM	Sum of POLINE.PO-Match-Qty
Matched Quantity in Stock UOM	Matched Qty on PO Lines in Stock UOM for item	Sum of POLINE.PO-Match-Qty converted to Stock UOM. X and S use entered UOM.
SVC Matched Amount	Amount Matched – Services	
📁 PO Auditing		The PO Number dimension works with these measures. It can be broken down to the line level.
% of PO Line Exceptions	Percent of PO Lines with Exceptions "Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Type = "LN" and POAUDIT. Action = "A, C, L or B"
% of PO Line with Returns	Percent of PO Lines with Vendor Returns	Count of PO Lines with Returns / Count of PO Lines
% of PO Quantity Revision	Percent of PO Lines with Qty Revisions	Count of PO Quantity Revision / Count of PO Lines
% of PO Unit Cost Revision	Percent of PO Lines with Unit Cost Revisions	Count of PO Unit Cost Revision / Count of PO Lines

Name	Description	Source/Comment
Count of PO Line Exceptions	Number of PO Lines with an Exception "Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Type = "LN" and POAUDIT. Action = "A, C, L or B"
Count of PO Lines with No Exceptions	Count of PO Lines without Exceptions	"Exceptions" come from Invoice Messages and POAUDIT records created by changing PO Cost or Quantity.
Count of PO Quantity Revision	Number of Quantity Revisions	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Desc = "Quantity"
Count of PO Unit Cost Revision	Number of Unit Cost Revisions	Count of POLINE records where a related POAUDIT record exists and POAUDIT. Desc = "Unit Cost"
📁 Purchasing		The PO Number dimension works with these measures. It can be broken down to the line level.
📁 Amounts		The PO Number dimension works with these measures. It can be broken down to the line level.
Amount Off Vendor Agreement	Value of items without a Vendor Agreement Reference on the PO Line	Sum ((POLINE.Vpri-Quantity * POLINE.Vbuy-Unit-Cst) POLINE.Agrmt-Ref-Amt)
Amount On Vendor Agreement	Value of items without a Vendor Agreement Reference on the PO Line	Sum of POLINE.Agrmt-Ref-Amt fields
Canceled Extended Amount	Value of items that have been canceled	Sum of POLINE.Cxl-Qty * POLINE.Vbuy-Unit-Cst
Open Order Extended Amount	The remaining Amount Open on a Purchase Order	Sum of POLINE.Extended-Amt where POLINE.Closed-Fl = N

Name	Description	Source/Comment
PO Extended Amount	Qty * Cost of Items ordered	
📁 Averages		The PO Number dimension works with these measures. It can be broken down to the line level.
Average PO Lines per Day		Count POLINE / Days in Range
📁 Costs		The PO Number dimension works with these measures. It can be broken down to the line level.
Entered Unit Cost - PO Lines	Entered Unit Cost	Sum of POLINE.Ent-Unit-Cst
Entered Unit Cost Per Stock UOM	Entered Unit Cost for Items in Stock UOM	Unit Cost converted to Stock UOM
Extended Line Amount	Extended PO Line Value	POLINE.Vbuy-Cost * POLINE.Vpri-Quantity
Landed Unit Cost	Landed Unit Cost = Item Cost + Landed AOC	Sum of POLINE.Land-Unit-Cst
Vendor Buy Unit Cost	Cost in the Vendor Buy UOM	POLINE.Vbuy-Cost
📁 Counts		The PO Number dimension works with these measures. It can be broken down to the line level.
Count of Open PO Lines	Ordered Quantity that is still Open- Not Received and Matched	Count of PO Lines where Closed = N
Count of PO Lines	Count of POLINE records	Count of POLINE
Count of PO Lines Delivered Complete	Count of PO Lines where the full ordered qty was received in one shipment	
Count of PO Lines Delivered On Time	Count of PO Lines where the full ordered qty was received on or before the delivery date	
Count of PO Lines Not Delivered Complete	Count of PO Lines where the full ordered qty was not received in one shipment	

Name	Description	Source/Comment
Count of PO Lines Not Delivered On Time	Count of PO Lines where the full ordered qty was not received on or before the delivery date	
Count of PO Lines with No Requisitions	Count of PO Lines that did not originate in RQ system	POLINE with no POLINESRC
Count of PO Lines with No Revisions	Count of POLINES with no revisions	POLINE where PURCHORDER.Revision = blank
Count of PO Lines with Requisitions	Count of POLINES with a RQ POLINESRC record	POLINE with POLINESRC
Count of PO Revision	Count of POLINES on Revised POs	POLINE where PURCHORDER.Revision! = blank
Pcard Flag - PO Lines	PO lines on a P Card PO	PURCHORDER.P-Card-Fl = Y
📁 Percents		The PO Number dimension works with these measures. It can be broken down to the line level.
% of I Type PO Lines	Percent of PO Lines where items are Inventory Type	
% of N Type PO Lines	Percent of PO Lines where items are Non Stock Type	
% of PO Lines Revised	Percent of PO Lines that are revised	
% of S Type PO Lines	Percent of PO Lines where items are Services	
% of X Type PO Lines	Percent of PO Lines where items are X type (Special Orders)	
% On Contract Amount by GPO	Percent spent on Contracts negotiated by GPO	Vendor Agreement type C and GPO = Y
📁 Quantity		The PO Number dimension works with these measures. It can be broken down to the line level.
Canceled Quantity	Qty of Canceled items	Sum of POLINE.Cxl-Qty

Name	Description	Source/Comment
Canceled Quantity in Stock UOM	Qty Canceled in Stock UOM	Canceled Quantity converted to Stock UOM
Open Order Quantity	Open Qty	Ordered Quantity that is still Open- Not Matched
Open Order Quantity in Stock UOM	Open Qty in Stock UOM	Open Order Quantity converted to Stock UOM
Order Quantity in Stock UOM	Ordered Qty	Order Quantity converted to Stock UOM
Quantity Less Canceled in Stock UOM	Ordered Qty	(Qty on PO Line – Canceled Qty) = Ordered Quantity
Rejected Quantity	Rejected Qty	Sum of the Rejected Qty
Vendor Price Entered Quantity	Vendor Price	Sum of POLINE.Vpri-Quantity
📁 Requisitions		
Count of Req Lines	PO Lines coming from Requisitions	Count of PO Lines with POLINESRC records where RQLOC! = 0
📁 Receiving		The PO Number dimension works with these measures. It can be broken down to the line level.
📁 Counts		The PO Number dimension works with these measures. It can be broken down to the line level.
Count of Receipt Lines for PO Lines	Count of PO Receipt Lines	There can be multiple receipts per PO line or item.
Count of Received PO Lines	Count of PO Lines that have PO Receipt Lines	
📁 First Receipts		The PO Number dimension works with these measures. It can be broken down to the line level.

Name	Description	Source/Comment
First Delivery Fill Rate	PO Received on First Delivery / All PO Receipts	Sum of Receipt line entered received quantity / Sum of POLINE quantity in Vendor price UOM
First Receipt Entered Quantity in Stock UOM	Quantity on the First Receipt in Stock UOM	Sum of PORECLINE.Ent-Rec-Qty on First Receipt
First Receipt Extended Amount	The full value of the first receipt (Quantity x Unit Cost)	PORECLINE.Orig-Unit-Cst * PORECLINE.Ent-Rec-Qty on first receipt
First Receipt Unit Cost Per Stock UOM	Matched Unit Cost for Receipt in Stock UOM on First Receipt	Sum of PORECLINE.Match-Unit-Cst in Stock UOM
📁 On-Time		The PO Number dimension works with these measures. It can be broken down to the line level.
On Time Delivery Fill Rate	PO Received on Time / All PO Receipts	
On Time Receipt Entered Quantity in Stock UOM	Qty in Stock UOM for On Time Receipts	Entered Qty on the receipt for that Poline in Stock UOM if there is one else Entered UOM
On Time Receipt Extended Amount	Ext Amount of On Time Receipt	(POLINE.Orig-Unit-Cst * PORECLINE.Ent-Rec-Qty) where PORECLINE.Rec-Date < or = POLINE.Early-Dl-Date
On Time Receipt Flag	If all line items were received on or before the delivery date = Y, otherwise N	
On Time Receipt Unit Cost Per Stock UOM	Unit cost in Stock UOM for On Time Receipt	Of the lines received on time, the unit cost in Stock UOM if there is one, otherwise the Entered UOM
📁 Receipt		The PO Number dimension works with these measures. It can be broken down to the line level.
PO Receipt Quantity in Stock UOM		PORECLINE.Ent-Rec-Qty

Name	Description	Source/Comment
Quantity Received - PO Line		POLINE.Rec-Qty
Receipt Extended Amount	Cost * Qty	PORECLINE.Orig-Unit-Cst * PORECLINE.Ent-Rec-Qty
Receipt Matched Unit Cost per Stock UOM	Matched Unit Cost for Receipt in Stock UOM	Sum of PORECLINE.Match-Unit-Cst in Stock UOM
Receipt Quantity in Stock UOM	Qty in Stock UOM	Sum of PORECLINE.Ent-Rec-Qty in Stock UOM
📁 Reject		The PO Number dimension works with these measures. It can be broken down to the line level.
Rejected Extended Amount	Cost * Qty	Sum of POLINE.Orig-Unit-Cst * POLINE.Reject-Qty
Rejected Quantity in Stock UOM	Qty in Stock UOM	Sum of POLINE.Reject-Qty in Stock UOM
∑ **PO Requisitions**		
Days From Requisition Approval To PO Creation	Span between REQHEADER or REQLINE Approval or ReleaseDate and PURCHORDER.PO Create Date	Span from REQHEADER. Appr-Rej-Date or REQLINE. Appr-Rej-Date and PURCHORDER.PO-Date
Days From Requisition Creation To Requisition Approval	Span from Requisition or Reqline creation to Req or Reqline Approval/Release	Span from REQHEADER or REQLINE.Create-Date and REQHEADER or REQLINE. Appr-Rej-Date
Requisition Extended Amount	REQLINE Cost * Qty	Sum of REQLINE.Orig-Unit-Cst * REQLINE.Quantity
Requisition Quantity in Stock UOM	Qty in Stock UOM	When items are X or S we will use the Entered UOM.
∑ **Vendor Returns**		The PO Number dimension works with these measures. It can be broken down to the line level.
Credit Received		PORETURNHD.Credit-Received

Name	Description	Source/Comment
Number of Returns		Count PORETURNHD in Range
Number of Items Returned		Sum PORETURNLN Qty
Return Line Extended Amount		Qty * Unit Cost
Return Loss Cost		PORETURNHD.Return-Value – PORETURNHD.Credit-Received
Return Value		PORETURNHD.Return-Value
Unit Cost		PORETURNLN.Unit-Cost
📁 Averages		The PO Number dimension works with these measures. It can be broken down to the line level.
Average Monthly Returns		Count PORETURNHD / Months in Range
Average Monthly Return Value		(Sum PORETURNHD.Return Value / Months in Range) / Number of Returns
Average Return Line Value per Vendor	Value of Return lines / All Vendor Returns (by Vendor)	(Return Qty)* by (Return Unit Cost) / by Number of PO Return Line records per Vendor
Average Return Quantity per Vendor	Qty of Returned Items / All Items Returned to Vendor (by Vendor)	Returned Qty / Number of PO Return line records per Vendor
📁 Line Level		The PO Number dimension works with these measures. It can be broken down to the line level.
Ent UOM Mult		Conversion value between Stock and Entered UOM
Return Quantity in Stock UOM		Return Qty converted to Stock UOM
Return Unit Cost Per Stock UOM		Return Qty converted to Stock UOM / Unit Cost

Buyer Supplier KPIs

Value	Goal	Status	Trend	Source File
A value that has been calculated in the Buyer Supplier cube	A value for comparison with KPI value	Indicator comparing value to goal. This calculation can also include tolerance values.	Indicator comparing value to previous time's value	SCM – KPI Goals.csv
Values are listed in the KPI Names table.	Example value: 35 Goal is entered into the cube using the Source File.	Example result: Red/Yellow/Green Tolerance values are entered into the cube using the Source File.	Example comparison: PO Date.Fiscal Month compared to Previous PO.Date.Fiscal.Month Example indicator: Up arrow or Down arrow	

KPI Names

	Name	Value	Data Type
🚦	Buyer Spend Off Contract	Amount Off Vendor Agreement / PO Extended Amount	Percentage
🚦	Buyer Spend On Contract	Amount On Vendor Agreement / PO Extended Amount	Percentage
🚦	POs With Exceptions Per PO Count	POs with Exceptions / Number of POs	Percentage
🚦	Percent Spent by Purchase Class	Amount of Spend by Purchase Class / PO Spend	Percentage

Dimension Relationships to Measure Groups

Dimensions	Measure Groups						
	Invoiced POs	PO Header Receipts	PO Headers	PO Lines	PO Requisitions	Vendor Returns	Supply Chain KPI Goals
Buyer	X	X	X	X	X		X
Calendar	X	X	X	X	X	X	X
Company Group	X	X	X	X	X	X	X
Cost Code	X			X	X		
GTIN	X			X	X	X	X
Invoice Method	X						
Invoice Number	X		X	X			
Issue Method	X		X				X
Item	X			X	X	X	
Item Location	X	X	X	X	X	X	
Item Type	X		X	X	X	X	X
Manufacturer	X			X	X	X	
Mfr Item	X			X	X		
Organization	X	X		X	X	X	
PO Number	X			X	X	X	
PO Number - Header		X	X		X		
Requesting Location					X		
Return Number	X					X	
Return Reason				X		X	
Revised Issue Method			X				
Vendor	X	X	X	X	X	X	X
Vendor Agreement	X			X	X	X	X
Vendor Item	X			X	X	X	

Dimensions	Measure Groups						
	Invoiced POs	PO Header Receipts	PO Headers	PO Lines	PO Requisitions	Vendor Returns	Supply Chain KPI Goals
Vendor Return Status				X		X	

Buyer Supplier Performance Analytics Drill Through

This section provides an overview of the drill through functionality of Lawson Buyer Supplier Performance Analytics and the steps of running a drill through.

Overview

The drill through is used to obtain additional detail information from the Invoiced POs fact table. Some of the additional fields are as follows:

- Vendor Long Name
- PO Num-Rel-Code-Line Nbr
- Quantity
- Buy UOM
- UOM Multiplier
- Stock UOM
- Quantity in Stock UOM
- Item Type
- Item
- Item Description

The drill through has been designed to work with measures related to the Invoiced PO measures to retrieve Purchase Order Details for Items and Units of Measure.

Along with the measures, several dimension table fields have been enabled with the drill through. This provides the option to narrow the data set for more specific analysis. See "Measures and Dimensions Enabled With Drill Through" on page 68 for a list of all the fields available.

Running a Drill Through in Microsoft Excel

Before you start To execute a drill through, users must have read-only access at a minimum to the four BPW databases in SQL server using their Windows Authentication login in addition to standard Buyer Supplier cube access.

1   Open a new or existing pivot table.

2   Include one or more of the appropriate measures listed in "Measures and Dimensions Enabled With Drill Through" on page 68.

3   Right-click on the exact cell of the measure to drill.

4   Go to Additional Actions and select PO Detail.

   A new tab with the related record details will open in Microsoft Excel.

Measures and Dimensions Enabled With Drill Through

| Name	Works with drill through
Invoiced POs - Catalog Invoiced Amount	Yes
Invoiced POs - Non Catalog Invoiced Amount	Yes
Invoiced POs - Punchout Invoiced Amount	Yes
Invoiced POs - Total Base Amount	Yes
Invoiced POs - Total Distribution Amount	Yes
Buyer	Yes
Calendar	Yes
Item	Yes
Item Type	Yes
PO Number	Yes
Vendor	Yes
Vendor Agreement	Yes

Spend Cube

6

This chapter contains information on the data source, dimensions, measures, and key performance indicators (KPIs) included in the Spend Cube.

- "Data Source" on page 69
- "Spend Dimensions" on page 71
- "Spend Measures" on page 89
- "Spend KPIs" on page 91
- "Dimension Relationships to Measure Groups" on page 93
- "Spend Hierarchy" on page 94
- "Spend Analytics Drill Through" on page 97

Data Source

The Spend Cube is based primarily on the data in S3 Supply Chain. Non-Lawson data may also be the source for many of the KPIs. The following figure shows the data sources used in the Spend Cube.

Figure 3. Process Overview: Spend Cube
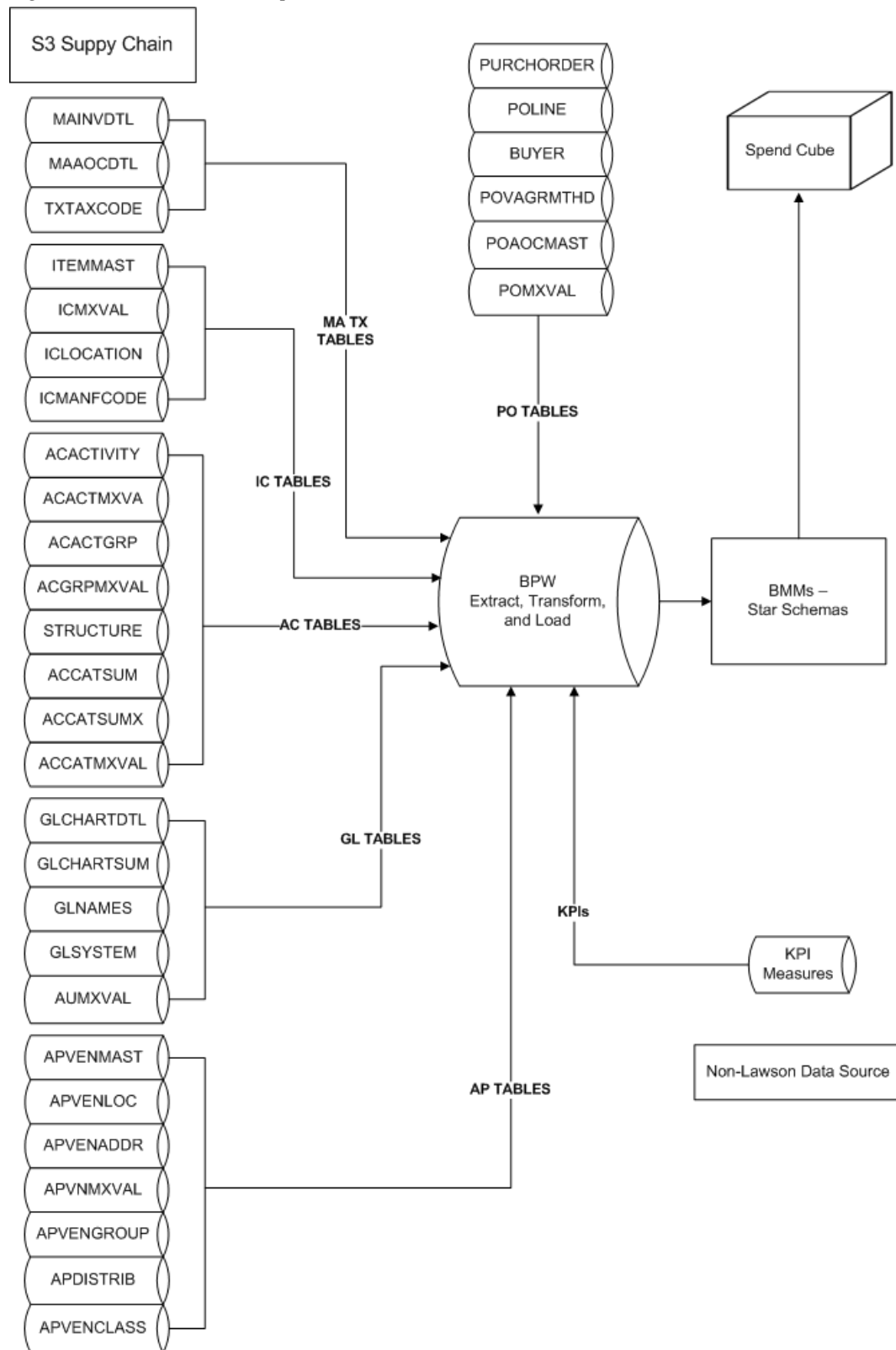
Spend Dimensions

Name	Hierarchy	Source
Account Category		
⊞ Detail Account Category Hierarchy	Category Type > Account Category	
⊞ Structure Hierarchy	Structure > Level 01 > Level 02 > ... > Level 09	
📁 Account Category Attributes		
Acct Cat Attribute 01 through 20		ACCATMXVAL.MATRIX_CAT
📁 Other Fields		
Account Category		ACACCTCAT.ACCT CATEGORY
Acct Cat Description		ACACCTCAT.DESCRIPTION
Acct Cat With Desc		ACACCTCAT.ACCT CATEGORY, DESCRIPTION
Category Type		ACACCTCAT.CATEGORY_ TYPE
Category Type Description		ACACCTCAT.DESCRIPTION
Category Type With Desc		ACACCTCAT.CATEGORY_ TYPE, DESCRIPTION
Structure		STRUCTURE.STRUCTURE
Structure Description		STRUCTURE.DESCRIPTION
Structure With Desc		STRUCTURE.STRUCTURE, DESCRIPTION
Amount Hierarchy		
⊞ Amount Hierarchy		
Level 01-06		For more information on the Amount Hierarchy Levels, see "Spend Hierarchy" on page 94.
AOC And Tax		

Name	Hierarchy	Source
AOC And Tax Name		POAOCMAST.Description + TXTAXCODE.Description
AOC And Tax Type		POAOCMAST.AOC-Type + TXTAXCODE.L-Cst-Fl
AOC Tax Code		POAOCMAST.AOC-Code + TXTAXCODE.Tax-Code
AOC Tax Flag		From BPW. If tax value is "T". If AOC value is "A".
Tax AOC Long Name		AOC + Tax-Type - AOC + Tax Name
Buyer		
Buyer Group - Name	Buyer Group > Buyer Name > Buyer GLN And Description	BUYER.Buyer-Grp + BUYER. Name + GLNLOC.GLN + GLNLOC.Description
Buyer Attributes		
Buyer Attribute 01…05		POMXVAL
GLN		
Buyer GLN		GLNLOC.GLN
Buyer GLN And Description		GLNLOC.GLN + GLNLOC. Description
More Fields		
Buyer Group		BUYER.Buyer-Grp
Buyer Long Name		BUYER.Buyer-Code + BUYER.Name
Buyer Name		BUYER.Name
PO Limit		BUYER.PO-Limit
Procurement Group		BUYER.Procure-Grp
Company Group		
Company Group	Company Group	GLCPYGRP
Company Group Description	Description	GLCPYGRP
Cost Code		

Name	Hierarchy	Source
Cost Code		POLINE.Cost-Cd
Cost Code Description		Translation of the Cost Code from the PO line
Cost Code Long Name		Cost Code - Cost Code Description
Calendar		APDISTRIB.Distrib-Date
📁 Calendar Year		
⊞ Calendar Hierarchy	Year > Quarter > Month > Date	
Date		04/02/2012
Day Of Month		1–31
Day Of Year		1–365
⊞ Days	Year > Month > Date	
Month Name		April
Month Number		4
Month Unique Name		2012 - 04 - April
Quarter Name		Q1, Q2, Q3, Q4
Quarter Number		1, 2, 3, 4
Quarter Unique Name		2012 Q2
⊞ Quarters over Years	Year > Quarter > Date	
Week		1–52
Weekday		Sunday–Saturday
Year		2012
⊞ Year - Month	Year > Month	
📁 Fiscal Year		
⊞ Fiscal Hierarchy	Fiscal Year > Fiscal Quarter > Fiscal Month > Date	
Fiscal Month Name		April

	Name	Hierarchy	Source
	Fiscal Month Number		1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
	Fiscal Month Unique Name		FY 2012 - 04 - April
	Fiscal Quarter Name		F Q2
	Fiscal Quarter Number		1, 2, 3, 4
	Fiscal Quarter Unique Name		FY 2012 Q2
	Fiscal Year		FY 2012
⊞	Fiscal Year - Month	Fiscal Year > Fiscal Month	
	Fiscal Year		FY 2012
	Fiscal Month		FY 2012 - 04 - April
	GL Account		
⊞	Chart of Accounts Hierarchy	Chart Name > Chart Section > Chart Level 01 > Chart Level 02 > ... > Chart Level 09	GLCHARTSUM.Account-Desc using Level-Depth (1-9)
⊞	Major Account Hierarchy	Chart Name > Major Account > Account Code and Desc	GLCHARTDTL.ACCOUNT
📁	Account Attributes		
	Account Attribute 01 through 20	Up to 20 Account Attributes can be used for alternate groupings and views.	GLACCMXVAL.MX_VALUE
📁	Chart Levels	Chart Level 01 – Chart Level 09	GLCHARTSUM.SEQ-NUMBER
📁	Other Fields		
	Account	Location where amounts and other account information is stored	GLCHARTDTL.ACCOUNT
	Account Code	Derived from Posting Account number + Sub Account	GLCHARTDTL.ACCOUNT, SUB_ACCOUNT
	Account Code and Desc	Derived from Posting Account number + Sub Account + Description	GLCHARTDTL.ACCOUNT, SUB_ACCOUNT, ACCOUNT_DESC
	Account Description	Description of account	GLCHARTDTL.ACCOUNT_DESC

Name	Hierarchy	Source
Chart Name	Name assigned to chart of accounts	GLCHARTSUM.CHART_NAME
Chart Section	Balance Sheet or Income Statement	GLCHARTDTL.CHART_SECTION
Major Account	Account Code and Desc with the lowest sub-account number	GLCHARTDTL.ACCOUNT
Sub Account	Sub account from the general ledger chart	GLCHARTDTL.SUB_ACCOUNT
📁 More fields		
Natural Balance	Natural Balance (D or C)	GLCHARTDTL.NAT_BALANCE
GTIN		
⊞ Brand Owner GLNs		
Brand Owner GLN		ICITEMGTIN.Brand-Owner
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Allergens		
Latex Allergen		ICITEMGTIN.Diet-Allergen
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Brand Names		
Brand Name		ICITEMGTIN.Brand-Name
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Items		

Name	Hierarchy	Source
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN Mfr		
Mfr Code-Div-Num		ICITEMGTIN
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN UOMs		
GTIN UOM		ICITEMGTIN.UOM
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ GTIN-Status		
GTIN Status		ICITEMGTIN.Status
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
⊞ Returnable GTINs		
Returnable		ICITEMGTIN.Returnable
GTIN		ICITEMGTIN.GTIN
GTIN Item-Desc		ICITEMGTIN.GTIN + ITEMMAST.Item + ICITEMGTIN.GTIN-Desc
📁 High Level Filters		
Brand Name		ICITEMGTIN.Brand-Name
Brand Owner GLN		ICITEMGTIN.Brand-Owner

Name	Hierarchy	Source
GTIN Status		ICITEMGTIN.Status
Item Group		ICITEMGTIN.Item-Group
Latex Allergen		ICITEMGTIN.Diet-Allergen
Returnable		ICITEMGTIN.Returnable
Sterile Indicator		ICITEMGTIN.Sterile-Ind
📁 Low Level Filters		
GTIN		ICITEMGTIN.GTIN
GTIN Description		ICITEMGTIN.GTIN-Desc
GTIN Item		ITEMMAST.Item
GTIN UOM		ICITEMGTIN.UOM
GTIN UOM-GTIN Desc		ICITEMGTIN.GTIN + ICITEMGTIN.UOM + ICITEMGTIN.Description
GTIN-GTIN UOM		ICITEMGTIN.GTIN + ICITEMGTIN.UOM
GTIN-GTIN UOM-GTIN Desc		ICITEMGTIN.GTIN + ICITEMGTIN.UOM + ICITEMGTIN.Description
Mfr Code		ICITEMGTIN.Manuf-Code
Mfr Code-Div-Num		ICITEMGTIN.Manuf-Code + ICITEMGTIN.Manuf-Division + ICITEMGTIN.Manuf-Nbr
Mfr Division		ICITEMGTIN.Manuf-Division
Mfr Number		ICITEMGTIN.Manuf-Nbr
Invoice Company		APDISTRIB.Company
Company Name		Derived, AP Company Name
Company Number		APDISTRIB.Company
Company Number Name		APDISTRIB.Company + Derived Name
Invoice Method		

Name	Hierarchy	Source
Invoice Method	Invoice By Mail, Invoice Electronically, Invoice Not Required	Translation of the Invoice Method Code
Invoice Method Code	Invoice Method Code = IBM, IE, INR	
Invoice Method Long Name	Translation of Invoice Method Code - IBM = Invoice By Mail, IE = Invoice Electronically, INR = Invoice Not Required	
Invoice Number		
⊞ Invoice by Type	Invoice Type > Invoice	APDISTRIB.Invoice-Type + APDISTRIB.Invoice
📁 More Fields		
Company		APDISTRIB.Company
Invoice Type		APDISTRIB.Invoice-Type
Invoice		APDISTRIB.Invoice
Invoice Description		APINVOICE.Description
Invoice - Suffix		APDISTRIB.Invoice APDISTRIB.Suffix
Invoice Type		APDISTRIB.Invoice-Type
Invoice - Suffix - Type		APDISTRIB.Invoice APDISTRIB.Suffix APDISTRIB.Invoice-Type
Suffix		APDISTRIB.Suffix
Item		
⊞ Commodity Codes	Commodity Code > Item > Item Description	ITEMMAST.Commodity-Code
⊞ Consignment Items	Consignment Fl > Item > Item Description	ITEMMAST.Consignment-Fl
⊞ Generic Item	Generic > Item > Item Description	ITEMMAST.Generic

Name	Hierarchy	Source
⊞ Hazardous Items	Hazard Code > Item > Item Description	ITEMMAST.Hazard-Code
⊞ Inventory Classes	Inventory Major Class > Inventory Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description
⊞ Item Groups	Item Group > Item > Item Description	ITEMMAST.Item-Group
⊞ Item Types	Item Type > Item > Item Description	POLINE.Item-Type I, N, X, S, Non Item Related
⊞ NDC Codes	If NDC EXISTS = Y, then Ndc Nbr.	If ITEMMAST.Ndc-Exists = Y, then ITEMNDC.Ndc-Nbr.
⊞ Purchasing Classes	Purchasing Major Class > Purchasing Minor Class > Item > Item Description	MAJORCL.Major-Description + MINORCL.Description
⊞ UNSPSC	Icsegment > Icfamily > Icclass > Iccommodity > Item > Item Description	ITEMMAST.Icsegment ITEMMAST.Icfamily ITEMMAST.Icclass ITEMMAST.Iccommodity
IC Segment		ITEMMAST.Icsegment
IC Family		ITEMMAST.Icfamily
IC Class		ITEMMAST.Icclass
IC Commodity		ITEMMAST.Iccommodity
Item		ITEMMAST.Item
Item Key		ITEMMAST.Item Group + ITEMMAST.Item + ITEMMAST.Description
📁 High Level Filters		
IC Class		ICITEMCODE.Iccode-Sdesc
IC Class Code		ITEMMAST.Icclass
IC Commodity		ICITEMCODE.Iccode-Sdesc
IC Commodity Code		ITEMMAST.Iccommodity
IC Family		ICITEMCODE.Iccode-Sdesc

Name	Hierarchy	Source
IC Family Code		ITEMMAST.Icfamily
IC Item Code		ICITEMCODE.Icsegment-Icfamily-Icclass-Iccommodity
IC Segment		ICITEMCODE.Iccode-Sdesc
IC Segment Code		ITEMMAST.Icsegment
Inventory Major Class Code		MAJORCL.Major-Class
Inventory Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Inventory Major Class Name		MAJORCL.Description
Inventory Minor Class Code		MINORCL.Minor-Class
Inventory Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description
Inventory Minor Class Name		MINORCL.Description
Item Active Status		ITEMMAST.Status
Item Group		ITEMMAST.Item-Group
Purchasing Major Class Code		MAJORCL.Major-Class
Purchasing Major Class Long Name		MAJORCL.Major-Class + MAJORCL.Description
Purchasing Major Class Name		MAJORCL.Description
Purchasing Minor Class Code		MINORCL.Minor-Class
Purchasing Minor Class Long Name		MINORCL.Minor-Class + MINORCL.Description
Purchasing Minor Class Name		MINORCL.Description
📁 Item Attributes		
Item Attribute 01…20		ICMXVAL
📁 Low Level Filters		
Item		POLINE.Item

Name	Hierarchy	Source
Item Description		POLINE.Description
Item Description 2		ITEMMAST.Description2
Item Key	Item Group > Item > Item Description	POLINE.Item Group + POLINE.Item + POLINE. Description
Item Long Name		POLINE.Item + POLINE. Description + ITEMMAST. Description2
Stock UOM		I or N = ITEMMAST.Stock-UOM, X and S = POLINE. Stock-UOM, S with Agreement = POVAGRMTLN. UOM, X with Agreement = POVAGRMTLN.UOM
Item Location		
⊞ Company - Item Location	IC Company > IC Location	ICLOCATION.Company + ICLOCATION.Code
⊞ Item Locations	IC Location > Location Name > Item Loc GLN And Description	ICLOCATION.Code and ICLOCATION.Name + GLNLOC.GLN + GLNLOC. Description
📁 GLN	Global Location Number	GLNLOC.GLN
Company GLN	Company Global Location Number	GLNLOC.GLN
Company GLN And Description	Company GLN and Description	GLNLOC.GLN + GLNLOC. Description
Item Loc GLN	Item Location Global Location Number	GLNLOC.GLN
Item Loc GLN And Description	Item Location GLN and Description	GLNLOC.GLN + GLNLOC. Description
📁 Item Location Attributes		
Item Location Attribute 01…05		ICLMXVAL
📁 More Fields		

Name	Hierarchy	Source
Company	IC Company this Location belongs to	ICLOCATION.Company
Item Location Code	Location Code	ICLOCATION.Code
Item Location Long Name	Location Code + Location Name	ICLOCATION.Code + ICLOCATION.Name
Item Location Name	Location Name	ICLOCATION.Name
Item Location Type	Location Type - Blank = I - Stocking Location, P = Par, E = Exchange Cart	ICLOCATION.Location-Type Blank = Inventory-Location, P = Par, E = Exchange-Cart
Item Type		
Item Type	APDISTRIB.Item-Type is used when blank MAINVDTL is used.	I, N, X, S In the Spend Cube on summarized distribution records (which do not include item detail), the item member will be "ZZSUMDIST" to designate that it is a summarized posting.
Item Type Description	Translation of I, N, X, S I = Inventory, N = Non Stock, X = Special, S = Service	In the Spend Cube on summarized distribution records (which do not include item detail), the item member will be "ZZSUMDIST" to designate that it is a summarized posting.
Manufacturer		
⊞ Item Group - Manufacturer	Item Group > Manufacturer Name > Manufacturer GLN and Desc	ICMANFCODE.Item-Group + ICMANFCODE.Description + GLNLOC.GLN + GLNLOC.Description
⊞ Manufacturer - Division	Manufacturer Name > Division Name > Manufacturer GLN and Desc	ICMANFCODE.Description + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC.Description

	Name	Hierarchy	Source
⊞	Manufacturer Code - Division Code	Manufacturer Code > Division Code > Manufacturer GLN and Description	ICMANFCODE.Manuf-Code + ICMANFCODE.Manuf-Division + GLNLOC.GLN + GLNLOC.Description
📁	GLN		
	Manufacturer GLN		GLNLOC.GLN
	Manufacturer GLN and Desc		GLNLOC.GLN + GLNLOC. Description
📁	More Fields		
	Manufacturer Code	Mfr Code	ICMANFCODE.Manuf-Code
	Manufacturer Long Name	Manufacturer Code and Manufacturer Description	ICMANFCODE.Manuf-Code + ICMANFCODE.Description
	Manufacturer Name	Mfr Description	ICMANFCODE.Description
	Organization		
⊞	Company Hierarchy	GLNAMES.Company > GLNAMES.Acct_Unit - GLNAMES.R_Name	GLNAMES
⊞	Org Hierarchy	GLNAMES.Company GLNAMES.R_Name > Org Level 01 > Org Level 02 > Org Level 03 > Org Level 04 > Org Level 05	Use this dimension to see the distributions across Companies, Locations, Departments, etc. organized by Account Unit, Account, and Sub Account.
📁	AU Attributes		
	Organization Attribute 01…20		AUMXVALUE
📁	Other Fields		
	Accounting Unit	Posting Accounting Unit Name	GLNAMES.ACCTUNIT
	Accounting Unit with Description	Posting Accounting Unit Name + Accounting Unit Description	GLNAMES.ACCTUNIT, DESCRIPTION
	Company Name	Company Name	GLSYSTEM.NAME
	Company Number	Company Number	GLNAMES.COMPANY

Name	Hierarchy	Source
Company Number Name	Company Number + Company Name	GLNAMES
Org Level 01…05	Derived from the Accounting Unit variable level number	GLNAMES.VAR_LEVEL
Org Level 01…05 with Description	Accounting Unit Description	GLNAMES.DESCRIPTION
Person Responsible		GLNAMES.PERSONRESP
PO Number		APDISTRIB or APINVOICE. PO-Number
PO Code		APDISTRIB or APINVOICE. PO-Code
PO Line Nbr		APDISTRIB or APINVOICE. PO-Line-Nbr
PO Num Rel Code		APDISTRIB or APINVOICE. PO-Nbr + PO-Release + PO-Code
PO-Num-Rel-Code-Line-Nbr		APDISTRIB or APINVOICE. PO-Number + PO-Release + PO-Code + PO-Line-Nbr
Project Activity		
⊞ Project Group Hierarchy	Project Activity Group > Level 01 > Level 02 > ... Level 05	
⊞ Project Hierarchy	Project Activity Group > Project Activity	
📁 Other Fields		
Proj Group Currency Code		ACACTGRP.CURRENCY_CODE
Proj Group Security Code		ACACTGRP.SECURITY_CD
Project Activity		ACACTIVITY.ACTIVITY where LEVEL-TYPE = P (Posting)
Project Activity Desc		ACACTIVITY.DESCRIPTION
Project Activity Group		ACACTGRP.ACTIVITY_GRP

Name	Hierarchy	Source
Project Activity Group Desc		ACACTGRP.DESCRIPTION
Project Activity Group With Desc		ACACTGRP.ACTIVITY_GRP, DESCRIPTION
Project Activity With Desc		ACACTIVITY.ACTIVITY, DESCRIPTION
Report 01 Currency Code		ACACTGRP.CURR-CODE-1
Report 02 Currency Code		ACACTGRP.CURR-CODE-2
📁 Project Activity Attributes		
Project Attribute 01 through 20		ACACTMXVAL.MXVALUE. MX_VALUE
Project Manager		ACACTMXVAL.MXVALUE. MX_VALUE
📁 Project Activity Group Attributes		
Proj Group Attribute 01 through 20		ACGRPMXVAL.MXVALUE. MX_VALUE
Proj Group Project Manager		ACGRPMXVAL.MXVALUE. MX_VALUE
Vendor		
⊞ Vendor Class - Name	Vendor Class Name > Vendor Name > Vendor Location Name > Vendor GLN and Description	APVENCLASS.Description APVENMAST.Vendor-Vname APVENDLOC.Vendor-Location-Name GLNLOC.GLN + GLNLOC. Description

Name	Hierarchy	Source
⊞ Vendor ID Number	Vendor Filter > Vendor 1 - N > Vendor Long Name > Vendor Location Name > Vendor GLN and Description	Vendor Filter
		APVENMAST.Vendor
		APVENMAST.Vendor List of buckets 1-N
		APVENMAST.Vendor
		APVENMAST.Vendor-Name
		APVENLOC.Vendor-Location-Name
		GLNLOC.GLN + GLNLOC. Description
⊞ Vendor Name - Location Name	Vendor Name > Vendor Location Name > Vendor GLN and Description	APVENMAST.Vendor-Vname
		APVENLOC.Vendor-Vname
		GLNLOC.GLN + GLNLOC. Description
⊞ Vendor Name A - Z	Vendor Filter > Vendor Name First Letter > Vendor Name > Vendor Location Name > Vendor GLN and Description	Vendor Filter
		APVENMAST.Name List of buckets A-Z
		APVENMAST.Vendor-VName
		APVENLOC.Vendor-Location-Name
		GLNLOC.GLN + GLNLOC. Description
📁 GLN		
AP Vendor GLN		GLNLOC.GLN
AP Vendor GLN and Description		GLNLOC.GLN + GLNLOC. Description
PO Vendor GLN		GLNLOC.GLN
PO Vendor GLN and Description		GLNLOC.GLN + GLNLOC. Description
📁 Other Fields		
Diversity Code		APVENLOC.Diverse-Code
Location Code		APVENLOC.Location-Code

Name	Hierarchy	Source
PO Vendor Long Name		POVENDLOC.Vendor
		POVENDLOC.Vendor-Name
PO Vendor Name		POVENDLOC.Vendor-Name
Vendor		APVENMAST.Vendor
Vendor Class Code		APVENMAST.Ven-Class
Vendor Class Name		APVENCLASS.Description
Vendor Filter		AP Vendor / One Time Vendor
Vendor Group Code		APVENMAST.Vendor-Group
Vendor Group Name		APVENGROUP.Description
Vendor Location Name		APVENLOC.Location-Code
Vendor Location Type		APVENMAST.Loc-Type
Vendor Long Name		APVENMAST.Vendor + APVENLOC.Vendor-VName
Vendor Name		APVENMAST.Vendor-VName
Vendor Search Name		APVENMAST.Vendor-Sname
Vendor Status	Active or Inactive	APVENMAST.Vendor-Status
📁 Vendor Attributes		
Vendor Attribute 01…05		APVNMXVAL.Mx-Value
📁 More Fields		
Vendor - Location	Vendor Code - Location Code	APVENMAST.Vendor + APVENLOC.Vendor-Vname
Vendor Agreement		
⊞ Agreement Type - Agreement	Agreement Type > Agreement Description	Translate of POVAGRMTHD. Agmt-Type (Contract, Blanket, Catalog/Quote, Standing, Service Agreement, No Agreement, Non Agreement - Expense) + POVAGRMTHD. Description
📁 More Fields		

Name	Hierarchy	Source
Agreement Description		POVAGRMTHD.Description
Agreement Type Name	Contract, Blanket, Catalog/Quote, Standing, Service Agreement, No Agreement, Non Agreement - Expense	Translate of POVAGRMTHD. Agmt-Type
GPO	Group Purchasing Organization	POVAGRMTHD.Grp-Purch-Org
Procurement Group		POVAGRMTHD.Procure-Group
Vendor Agreement Reference		POVAGRMTHD.Ven-Agrmt-Ref
Vendor Agreement Type	Contract, Blanket, Catalog/Quote, Standing, Service Agreement, No Agreement, Non Agreement - Expense	POVAGRMTHD.Agmt-Type
Vendor Location		POVAGRMTHD.Purch-Fr-Loc
📁 Sets		
Items – Added with 6 months	ITEMMAST.Item – ITEMMAST. Item Long Name	Items added to the ITEMMAST file within the last 6 months
Vendor Item		POITEMVEN file
📁 Item Detail		
Vendor Item		POITEMVEN.Ven-Item
Vendor Item Desc		POITEMVEN.Ven-Item-Desc
Vendor Item Nbr Desc		POITEMVEN.Ven-Item + POITEMVEN.Ven-Item-Desc
Vendor Item Status		POITEMVEN.Status
Vendor Name		POITEMVEN.Vendor
Vendor Nbr		POITEMVEN.Vendor
Vendor Nbr Name		POITEMVEN.Vendor + APVENMAST.Vendor-Vname
📁 Manufacturer Info		

Name	Hierarchy	Source
Mfr Code		POITEMVEN.Mfr-Code+Mfr-Division
Mfr Number		POITEMVEN.Manuf-Nbr
📁 Units of Measure		
Buy UOM		POITEMVEN.Vbuy-UOM
Price UOM		POITEMVEN.Vpri-UOM

Spend Measures

Name	Calculation	Comment
Σ **About**		
Cube Processed Date		Last processing date of the cube
Cube Version		Version of the build
Spend ETL Date		Date of the last data extract
Σ **Spend**		
Orig Base Amt	Total PO Spend + Total AOC and Tax Base Amount + Total Expense + Non PO Credit + Non PO AOC Credits + PO AOC Credits = Total Spend	APDISTRIB.Original-Base-Amt
📁 Individual Amounts		
📁 AOC and Tax	Total Tax + Total AOC Charges + Total AOC Allowances	
📁 Amounts		
AOC Allowances		Sum of MAAOCDTL.Tot-Base-Amt where AOC-Type = Allowance

Name	Calculation	Comment
AOC Charges		Allowances + AOC + Tax
Tax Amount		
📁 Credits		
Non PO AOC Credits		Credits for AOC not referencing a PO
PO AOC Credits		Credits for AOC referencing a PO
📁 Costs		
Match Unit Cost	At PO Line level, Matched Unit Cost converts to unit cost per Stock UOM. At summarized levels, Matched Unit Cost displays as a weighted average.	At each summary level, the cube is dividing the PO Spend by the Spend Quantity in Stock UOM. That calculation is: Sum of Total PO Spend divided by the sum of Spend Quantity in Stock UOM = average Match Unit Cost. Goods Amounts and Spend Quantities are additive so they do sum up; averages are not so you cannot calculate them by adding the averages from the levels below. Also, because the Matched Unit Cost field is formatted at two decimal places, the cube rounds the calculated value. That is why you cannot reverse the calculation - multiplying MatchedUnitCost * SpendQtyInStockUOM to get back to the exact Total PO Spend Amt.
📁 Expense		
Expense Amount		
📁 PO Spend		
📁 Amounts		

Name	Calculation	Comment
Catalog Spend Amount		Sum of I and N type Item Spend
Non-Catalog Spend Amount		Sum of X and S type Item Spend
PO Spend	The Total Invoiced Value for Purchase Orders Equal to: Agreement + Non Agreement Spend - or - Any APDISTRIB record where there is a PO Reference	
Service Item Amount		Amount spent on S type items
Special Item Amount		Amount spent on X type items
Spend Amount - Agreement		The Total Invoiced Value for PO Lines in a range where there is a Vendor Agreement Reference
Spend Amount - Non Agreement		The total of the Invoiced Value for PO Lines in a range where there is no Vendor Agreement Reference on the line
Spend Amount - Punchout	Sum of Spend where Cost Code = "G" (Punchout)	Amount spent on items using the Punchout process

Spend KPIs

Value	Goal	Status	Trend	Source File
A value that has been calculated in the Spend cube	A value for comparison with KPI value	Indicator comparing value to goal. This calculation can also include tolerance values.	Indicator comparing value to previous time's value	SCM – KPI Goals.csv

Value	Goal	Status	Trend	Source File
Values are listed in the KPI Names table.	Example value: 35 Goal is entered into the cube using the Source File.	Example result: Red/Yellow/Green Tolerance values are entered into the cube using the Source File.	Example comparison: Invoice Date.Fiscal Month compared to Previous Invoice.Date.Fiscal.Month Example indicator: Up arrow or Down arrow	

KPI Names

	Name	Value	Data Type
	Percentage of Agreement Spend by GPO	Agreement Spend by GPO / Total Agreement Spend	Percentage
	Percentage of Allowance Over Total Spend	Total AOC Allowances / Total Spend Amount	Percentage
	Percentage of AOC and Tax Over Total Spend	Total AOC + Allowance + Tax / Total Spend Amount	Percentage
	Percentage of AOC Charges Over Total Spend	Total AOC Charges / Total Spend	Percentage
	Percentage of PO Spend by Purch Class	PO Spend by Purchasing Class / PO Spend	Percentage
	Percentage of Tax Over Total Spend	Total Tax / Total Spend	Percentage
	Percentage of PO Spend by Manufacturer	Total Spend by Manufacturer Code / PO Spend	Percentage
	Percentage of PO Spend for Punchout	Total Spend – Punchout / PO Spend	Percentage
	Percentage of PO Spend Non Agreement	Non Agreement Spend / PO Spend	Percentage
	Percentage of PO Spend On Agreement	On Agreement Spend / PO Spend	Percentage
	Percentage of Total Spend by Diversity	Spend by Diversity Code / Total Spend	Percentage

Name	Value	Data Type
Percentage of Total Spend by Item	Total Spend Amount by Item / Total Spend	Percentage
Percentage of Total Spend by Vendor	Total Spend by Vendor / Total Spend	Percentage
Percentage of Total Spend for Expense	Expense Spend / Total Spend	Percentage
Percentage of Total Spend for PO	PO Spend / Total Spend Amount	Percentage
Percentage of Total Spend Non Agreement	Non Agreement Spend / Total Spend	Percentage
Percentage of Total Spend On Agreement	On Agreement Spend / Total Spend	Percentage
Percentage of PO Spend On Catalog	On Catalog Spend / PO Spend	Percentage
Percentage of PO Spend on Non-Catalog	Non-Catalog Spend / PO Spend	Percentage
Percentage of Total Spend on Services	Spend on S type Items / Total Spend	Percentage
Percentage of Total Spend on Specials	Spend on X type Items / Total Spend	Percentage

Dimension Relationships to Measure Groups

Dimensions	Measure Groups	
	Original Base Amount	Supply Chain KPI Goals
Account Category	X	X
Amount Hierarchy	X	X
AOC and Tax	X	X
Buyer	X	X
Calendar (Distrib Date)	X	X

Dimensions	Measure Groups	
	Original Base Amount	**Supply Chain KPI Goals**
Company Group	X	X
Cost Code	X	X
GL Account	X	X
GTIN	X	X
Invoice Company	X	X
Invoice Method	X	X
Invoice Number	X	X
Item	X	X
Item Location	X	X
Item Type	X	X
Manufacturer	X	X
Organization	X	X
PO Number	X	X
Project Activity	X	X
Vendor	X	X
Vendor Agreement	X	X
Vendor Item	X	X

Spend Hierarchy

Total Spend	**PO Spend + Expense + AOC and Tax**
PO Spend	**Agreement + Non Agreement Spend**
Agreement Spend	**Agreement Catalog + Agreement Non Catalog**

Agreement Catalog	**Agreement Inventory + Agreement Non Inventory**
Agreement Inventory	Debits + Credits
Agreement Inventory Debits	
Agreement Inventory Credits	
Agreement Non Stock	Debits + Credits
Agreement Non Stock Debits	
Agreement Non Stock Credits	
Agreement Non Catalog	**Agreement Service + Agreement Special**
Agreement Service	Debits + Credits
Agreement Service Debits Agreement Service Credits	
Agreement Special	Debits + Credits
Agreement Special Debits Agreement Special Credits	
Agreement Punchout Debits Agreement Punchout Credits	Punchout = Cost Code = G
Non Agreement Spend	**Non Agreement Catalog + Non Agreement Non Catalog**
Non Agreement Catalog	**Non Agreement Inventory + Non Agreement Non Stock**
Non Agreement Inventory	Debits + Credits
Non Agreement Inventory Debits	
Non Agreement Inventory Credits	
Non Agreement Non Stock	Debits + Credits
Non Agreement Non Stock Debits	
Non Agreement Non Stock Credits	
Non Agreement Non Catalog	**Non Agreement Service + Non Agreement Special**
Non Agreement Service	Debits + Credits

Non Agreement Service Debits	
Non Agreement Service Credits	
Non Agreement Special	Debits + Credits
Non Agreement Special Debits	
Non Agreement Special Credits	
Non Agreement Punchout Debits Non Agreement Punchout Credits	Punchout = Cost Code = G
Chargebacks and Credits	APDISTRIB has PO reference. APINVOICE has no PO detail to categorize the credit.
Uncategorized PO Spend	APDISTRIB has a PO reference. APINVOICE has no PO detail to categorize the debit.
Expense	**Debits + Credits**
Expense Debits	No PO or Non Lawson PO Reference
Expense Credits	No PO or Non Lawson PO Reference
AOC and Tax	**AOC + Tax**
AOC	**PO AOC + Non PO AOC**
PO AOC	**AOC Charges + AOC Credits + AOC Allowances**
PO AOC Charges PO AOC Credits	
PO Allowances	
Non PO AOC	**Non PO AOC Charges + Non PO AOC Credits + Non PO Allowances**
Non PO AOC Charges Non PO AOC Credits	
Non PO Allowances	
Tax	**PO Tax + Non PO Tax**
PO Tax Tax	
Non PO Tax Tax	

Spend Analytics Drill Through

This section provides an overview of the drill through functionality of Spend Analytics and the steps of running a drill through.

Overview

The drill through is used to obtain additional detail information from the fact table. The fields included are as follows:

- Vendor Long Name
- PO Num-Rel-Code-Line Nbr
- Quantity
- Buy UOM
- UOM Multiplier
- Stock UOM
- Quantity in Stock UOM
- Invoice Number
- Item Type
- Item
- Item Description
- Original Base Amount

The PO Detail drill through has been designed to work with measures related to PO Details for matched invoices.

Along with the measures, several dimension table fields have been enabled for drill through. This provides the option to narrow the data set for more specific analysis. See "Measures and Dimensions Enabled With Drill Through" on page 98 for a list of all the fields available.

Running a Drill Through in Microsoft Excel

Before you start To execute a drill through, users must have read-only access at a minimum to the four BPW databases in SQL server using their Windows Authentication login in addition to standard Spend cube access.

1   Open a new or existing pivot table.
2   Include one or more of the appropriate measures listed in "Measures and Dimensions Enabled With Drill Through" on page 98.

3 Right-click on the exact cell of the measure to drill.

4 Go to Additional Actions and select PO Detail.

A new tab with the related record details will open in Microsoft Excel.

Measures and Dimensions Enabled With Drill Through

Name	Works with drill through
Orig Base Amount	Yes
Catalog Spend Amount	Yes
Non Catalog Spend Amount	Yes
PO Spend	Yes
Service Item Amount	Yes
Special Item Amount	Yes
Spend Amount - Agreement	Yes
Spend Amount - Non Agreement	Yes
Spend Amount - Punchout	Yes
Amount Hierarchy - PO Spend measures	Yes
Buyer	Yes
Calendar	Yes
Item	Yes
Item Type	Yes
PO Number	Yes
Vendor	Yes
Vendor Agreement	Yes

Delivered Views

<div style="text-align: right">**A**</div>

Several views are delivered with Lawson Healthcare Supply Chain Analytics. These views offer examples for you to modify for your own use or as a training tool to create new views.

Lawson ViewPoint for Lawson Business Intelligence Views

Inventory
- LWSN SC Inventory Turns
- LWSN SC Inventory Usage

Buyer Supplier
- LWSN SC Buyer Dashboard
- LWSN SC Buyer Performance
- LWSN SC GTIN
- LWSN SC Issue Method
- LWSN SC Open Orders
- LWSN SC Perfect Drill
- LWSN SC Perfect Order Analysis
- LWSN SC PO Detail

Spend
- LWSN SC Agreement Spend
- LWSN SC Spend Analysis
- LWSN SC Spend Detail

- LWSN SC Returns

Glossary

B

This section describes key terms used in this document.

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List of Terms

Term	Definition
Attribute	A dimension member
BPW	Business Performance Warehouse is the data measurement model that consolidates and integrates data for Lawson Analytics for Healthcare. BPW performs the ETL for creating the cubes.
Dimension	A *dimension* is a collection of attributes that are related to a key attribute, which in turn relates to facts in the measures dimension. For example, the EMPLOYEE dimension is made up of attributes such as Name, Address, and Hire Date of each employee. Each Employee has a key which is used to link to facts regarding the Employee such as Paid Hours.
Display Folder	Dimension attributes organized into folders under a dimension
Drill Down	The ability to navigate from a summarized level of data to a more detailed level
Drill Up	The ability to navigate from a detailed level of data to a more summarized level
ETL	Extract Transform Load. A function of Business Performance Warehouse to build the data warehouse and load the cubes.
Fact	Typically a number that measures, or is used in a calculation that provides a business measure

Term	Definition
Granularity	The level of detail in a fact table. The more detail, the higher the level of granularity. Different facts in the same cube may have different levels of granularity making it, so one fact may not compare to another fact at the same level. In the case of budgets versus actual hours, budgets may stop at the Job Code level where actual hours may break out to the Position level.
Hierarchy	Dimension members organized in a parent-child relationship
Measure	A *measure* is a value from a fact table, and is also called a fact. Measures are generally numeric values.
Measure Group	A *measure group* is a collection of related measures in a cube.
Perfect Order	A Purchase Order processed Electronically from order to payment without human intervention. It is delivered to the correct location on time, undamaged, at the right price with the desired quantity on the first attempt.
Pivot	The ability to "re-orient" or *pivot* the cube to change the display of dimension members from rows to columns or vice versa. This re-orientation requires re-summarizing large amounts of data which is much more efficient in a cube rather than from a relational reporting database.
Spend	The Sum Total from APDISTRIB.Original-Base-Amt. This value is chronologically organized by Distribution Date (APDISTRIB.Distrib-Date). Spend is tied to the Organization hierarchy so the distributions can be viewed by Distribution Company- Account Unit- Account and Sub-Account.