bi4dynamics
Transforming your data into knowledge

BI4Dynamics AX -
Data Warehouse Automation
White Paper

BI4Dynamics AX version 7.0.0
Review: 01
Last update: January 2019

© BI4Dynamics UK, 2019. This document consists of 112 pages.

© BI4Dynamics UK, 2019. This document consists of 112 pages.

1 PREFACE

1.1 How to use this document

This document describes BI4Dynamics AX analytical areas with corresponding measures and dimensions used in a single OLAP cube. This document is presented in two parts:

Part 1 - Analytical Areas or Cubes

- List of dimensions in specific cubes
- List of measures and their explanations in each specific cube

Part 2 - Dimensions

- Details related to the dimensions, attributes and hierarchies; Dimensions are not described in each cube since many dimension (for example Item) are available in more than one cube. Dimensions are unique, meaning that they are the same in each cube.

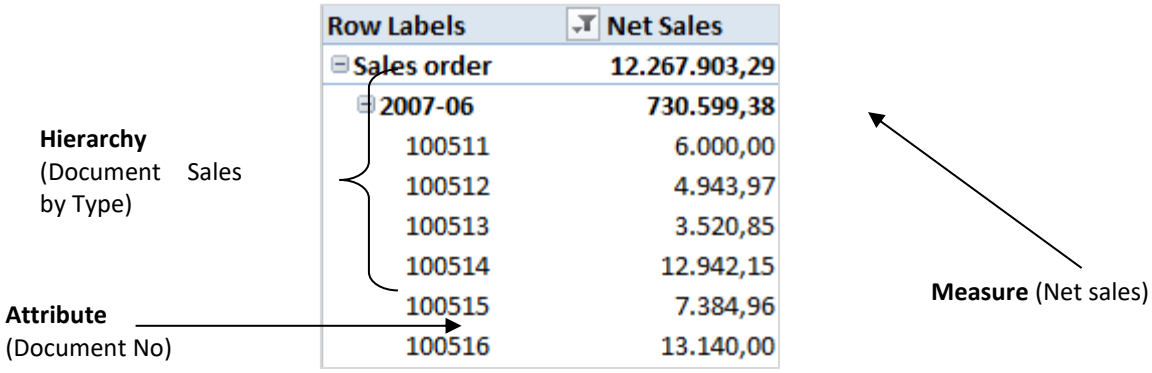
Document describes BI4Dynamics AX main analytical areas with corresponding measures and dimensions used in single OLAP cube.

Understanding dimensions and cubes

- Every cube is composed of different dimensions and different set of measures.
- Dimension consists of single attributes that are grouped in predefined hierarchy.
- Hierarchies have the possibility to drill down by levels and making business users quickly analyze granular data.

Example:

Attribute	Hierarchy	Dimension
Document No (100511)	Document Sales by Type:	Document Sales by Type
Posted Year Month (2007 - 06)	Sales order (Document Type)	
Document Type (Sales order)	2007 – 06 (Posted Year Month)	
Ship-to Code (2031)	100511 (Document No)	



Document Sales by Type by Net sales Measures can be viewed over different dimensions and their hierarchies or attributes.

© BI4Dynamics UK, 2019. This document consists of 112 pages.

1.2 General features

One Installation, Any Database, Any Company,

BI4Dynamics can join data across any supported version of Microsoft Dynamics AX database and company within – in one single data warehouse.

Global dimensions

Each measure in a specific OLAP cube can be viewed over multiple companies and over 15 global dimensions.

ACY and posted currency measures

BI4Dynamics AX offers one Additional Currency that is selected during installation process. Any currency can be selected from Currency table and it may not be the same currency as it is set in Microsoft Dynamics AX. Standard measures are defined as measures in local currency. BIDynamics 4AX provides measures in additional currency (ACY) and PCY (or posted currency) that are calculated in data warehouse with the information from currency exchange rate data in Microsoft Dynamics AX. Most important (but not all) measures in local currency have a pair in ACY. Measures with suffix PCY have values in original currency posted. Such measures should always be analyzed with dimension Currency to avoid wrong data totals.

Calculations are based in current exchange rate or last available (same as Microsoft Dynamics AX). Calculation of values that are transactional (Amount, Debit, Credit) are same as in Microsoft Dynamics AX.

This is a sample of measure from General Ledger. Measures calculated in Additional Currency are getting appendix (ACY).

Base measures	Calculated measure name	Calculated measure formula
Net change	Net change ACY	Amount (LCY) x exchange rate (ACY)
Debit Amount	Debit Amount ACY	Debit Amount (LCY) x exchange rate (ACY)
Credit Amount	Credit Amount ACY	Credit Amount (LCY) x exchange rate (ACY)

Example GL measure group

This table is showing a section of standard measures and Additional Currency measures (ACY). Additional currency measures (with ACY suffix) are not always specifically described in White paper and they are calculated based on explanation model above.

Measure	Description
Debit	Debit amount.
Credit	Credit amount.
Additional Currency	
Debit ACY	
Credit ACY	

© BI4Dynamics UK, 2019. This document consists of 112 pages.

2 CUBES

2.1 Fixed Assets

Fixed Assets enables us to track all activities regarding Fixed Assets.

2.1.1 Extending functionality of MS Dynamics AX

Main advantages:

- Fixed Assets Book is combined with Depreciation Books and Model Value Books

2.1.2 How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Fixed Assets
Multi-Measure Tool	X
Company	X
Date	X
Fixed Asset Book	X
Fixed Asset Group	X
Fixed Asset Location	X
Fixed Asset Status	X
Financial Dimension 1 - 15	X
Fixed Asset Transaction Type	X
Measures	FA Amount FA Opening Balance FA Increase FA Decrease FA Balance FA Amount ACY FA Opening Balance ACY FA Increase ACY FA Decrease ACY FA Balance ACY

2.1.3 Dimensions in cube

2.1.3.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Fixed Assets	Date is connected with start date of specific posting.

2.1.4 Measure Groups

2.1.4.1 Fixed Assets

Measure	Description
FA Amount	Amount of Fixed Assets
FA Opening Balance	Opening amount of Fixed Assets
FA Increase	Amount of all types that increases Fixed Asset

FA Decrease	Amount of all types that decreases Fixed Asset
FA Balance	Balance of increase and decrease Amount
FA Amount ACY	Amount of Fixed Assets – Additional currency
FA Opening Balance ACY	Opening amount of Fixed Assets – Additional currency
FA Increase ACY	Amount of all types that increases Fixed Asset – Additional currency
FA Decrease ACY	Amount of all types that decreases Fixed Asset – Additional currency
FA Balance ACY	Balance of increase and decrease Amount – Additional currency

2.2 GL Analysis

GL Analysis enables us to track all activities regarding General ledger posting and budgeting. Support for multiple companies over chart of accounts with predefined usage financial dimensions, makes GL analysis very suitable for organizations that have multiple companies in MS Dynamics AX.

Extending functionality of MS Dynamics AX

Main advantages:

- Budget / realization indexes over multiple dimensions and chart of accounts
- Drill down the hierarchy of chart of accounts to single posting

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	GL	GL Budget
Multi-Measure Tool	x	X
Budget Transaction Code		X
Budget Status		X
Budget Type		X
Company	X	X
Date	X	X
Document GL	X	X
Financial Dimension 1 - 15	X	X
GL Account	X	X
GL Budget		X
Ledger Transaction Type	X	
Posting Layer	X	
Posting Type	X	
Measures	Net change, Debit, Credit, Balance, Net change YTD, Net change last YTD, Net change YTD index, Credit Balance, Debit Balance, Balance, Transaction balance **, Transaction credit **, Transaction credit balance **, Transaction debit **, Transaction debit balance **, Transaction net change **, Transaction net change last YTD **, Transaction net change YTD **, Reporting balance **, Reporting credit **, Reporting credit balance **, Reporting debit	Budget amount, Budget amount YTD, Budget variance, Budget variance YTD, Net change/budget index, Net change/budget YTD index, GL Quantity **

	**, Reporting debit balance **, Reporting net change **, Reporting net change last YTD **, Reporting net change YTD **, Reporting net change YTD index **	

* Dimension or measure is available for AX 2009 and lower.
** Dimension or measure is available just for AX 2012.

Dimensions in cube

2.2.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
GL Measure group	AX 2009 and lower: Posting Date is connected with transaction date of specific posting. AX 2012: Posting Date is connected with accounting date of specific date.
GL Budget group	Date is connected with start date of specific posting.

Measure Groups

2.2.1.2 Calculated measures

Measure	Description
Balance	Balance at specific date. (Depends on the value of date dimension; if not specified current day is used.)
Budget variance	Net change – Budget amount.
Net change/budget index	Net change/Budget amount.
Budget amount YTD	Year-To-Date budget amount. (Sum of budget amount from January to chosen month in specified year.)
Net change YTD	Year-To-Date net change. (Sum of net change amount from January to chosen month in specified year.)
Budget variance YTD	Net change YTD – Budget amount YTD.
Net change/budget YTD index	Net change YTD/Budget amount YTD.
Net change last YTD	Previous year Year-To-Date net change. (Sum of net change amount from January to chosen month in specified year.)
Net change YTD index	Net change YTD/ Net change last YTD
Opening Blance	Year-To-Date net change in previous time period. (Sum of net change amount from January to previous time period in specified year.)
Credit balance	Sum of credit for specified period.
Debit balance	Sum of debit for specified period.
Credit balance ACY	Sum of credit ACY for specified period.
Debit balance ACY	Sum of debit ACY for specified period.
Transaction credit balance **	Sum of credit for specified period in transaction currency.
Transaction debit balance **	Sum of debit for specified period in transaction currency.
Transaction net change last YTD **	Previous year Year-To-Date net change in transaction currency. (Sum of net change amount from January to chosen month in specified year.)
Transaction net change YTD **	Year-To-Date net change in transaction currency.

	(Sum of net change amount from January to chosen month in specified year.)
Reporting balance **	Balance at specific date in reporting currency.
Reporting credit balance **	Sum of credit for specified period in reporting currency.
Reporting debit balance **	Sum of debit for specified period in reporting currency.
Reporting net change last YTD **	Previous year Year-To-Date net change in reporting currency. (Sum of net change amount from January to chosen month in specified year.)
Reporting net change YTD **	Year-To-Date net change in reporting currency. (Sum of net change amount from January to chosen month in specified year.)
Reporting net change YTD index **	Reporting net change YTD/ Reporting net change last YTD

** Measure is available just for AX 2012.

2.2.1.3 GL

Name	Description
Credit	Credit amount. (AX 2009 and lower: We use amount mst, amount in company currency, when we have crediting. AX 2012: We use accounting currency amount which depends on is credit field from general journal account entry table.) [LEDGERTRANS].[AMOUNTMST] -> [GL].[CreditBase]
Credit ACY	[LEDGERTRANS].[AMOUNTMST] -> [GL].[CreditACY]
Debit	Debit amount. (AX 2009 and lower: We use amount mst, amount in company currency. Which line is used, depends on crediting field in ledger transaction table. AX 2012: We use accounting currency amount which depends on is credit field from general journal account entry table.) [LEDGERTRANS].[AMOUNTMST] -> [GL].[DebitBase]
Debit ACY	[LEDGERTRANS].[AMOUNTMST] -> [GL].[DebitACY]
Net Change	Debit – Credit. (AX 2009 and lower: Amount mst field from ledger transaction table is used, doesn't matter if it is credit or debit. AX 2012: Accounting currency amount from general journal account entry table.) [LEDGERTRANS].[AMOUNTMST] -> [GL].[AmountBase]
Net Change ACY	[LEDGERTRANS].[AMOUNTMST] -> [GL].[AmountACY]
Reporting Credit**	Credit amount in reporting currency. (We use reporting currency amount field from general journal account entry table.) [GENERALJOURNALACCOUNTENTRY].[REPORTINGCURRENCYAMOUNT] -> [GL].[ReportingCredit]
Reporting Debit**	Debit amount in reporting currency. (We use reporting currency amount field from general journal account entry table.) [GENERALJOURNALACCOUNTENTRY].[REPORTINGCURRENCYAMOUNT] -> [GL].[ReportingDebit]
Reporting Net Change**	Net change in reporting currency. (We use reporting currency amount field from general journal account entry table.)

	[GENERALJOURNALACCOUNTENTRY].[REPORTINGCURRENCYAMOUNT] -> [GL].[ReportingAmount]
Transaction Credit**	Credit amount in transaction currency. (We use transaction currency amount field from general journal account entry table.) [GENERALJOURNALACCOUNTENTRY].[TRANSACTIONCURRENCYAMOUNT] -> [GL].[TransactionCredit]
Transaction Debit**	Debit amount in transaction currency. [GENERALJOURNALACCOUNTENTRY].[TRANSACTIONCURRENCYAMOUNT] -> [GL].[TransactionDebit]
Transaction Net Change**	Net change in transaction currency. (We use transaction currency amount field from general journal account entry table.) [GENERALJOURNALACCOUNTENTRY].[TRANSACTIONCURRENCYAMOUNT] -> [GL].[TransactionAmount]

** Measure is available just for AX 2012.

2.2.1.4 GL Budget

Name	Description
Budget Amount	Budget or planned amount. (AX 2009 and lower: Amount mst from ledger budget table is used. AX 2012: Accounting currency amount from budget transaction line table.) [LEDGERBUDGET].[AMOUNT] -> [GLBudget].[AmountBase]
Budget Amount ACY	[LEDGERBUDGET].[AMOUNT] -> [GLBudget].[AmountACY]
Budget Amount Posted	[LEDGERBUDGET].[AMOUNT] -> [GLBudget].[AmountPosted]
Quantity	Planned quantity. (Quantity from budget transaction line table.) [BUDGETTRANSACTIONLINE].[QUANTITY] -> [GLBudget].[Quantity]

** Measure is available just for AX 2012.

2.3 Inventory Analysis

Inventory analysis is always a problem in any ERP system, because data has to be calculated for every item trough all posted item entries. Because of this approach analysis is very slow and analyzing average inventory value or turn over coefficient over multiple locations and items are almost impossible.
Optimizing inventory is key in any analysis and with this in mind, we created daily snapshots of data in BI4Dynamics AX data warehouse to provide business users with very fast and agile analysis of complete inventory trough history data.

Extending functionality of MS Dynamics AX

Main advantages:

- Very fast analysis over multiple items and warehouse locations
- Analyzing trends of inventor value/quantity over period of time (years, months, days)
- Advanced measures – avg. stock value, stock rotation coefficients, turnover of stock in days
- Analyzing groups of items over multiple location with turnover in days to see quickly which items are longer on stock
- Decrease / increase analysis over item ledger entry type (purchase, sales, output, transfers…).
- Analyze specific posting trough source and reason code

How to use dimensions and measures

	Inventory State	Inventory Transaction	Inventory Aging
Multi-Measure Tool		X	

Company	X	X	X
Date	X	X	X
Document Inventory	X	X	
Document Inventory Invoice	X	X	
Inventory Batch		X	
Inventory Dimensions		X	
Inventory Serial		X	
Inventory Size		X	
Item	X	X	X
Location	X	X	X
Inventory Aging			X
Measures	Stock quantity, Stock value, Avg. stock quantity, Avg. stock value, Max stock value in time span, Min stock value in time span, Max stock quantity in time span, Min stock quantity in time span, Opening stock quantity, Stock Rotation Coefficient, Stock rotation (days),	Cost amount adjustment, Financial cost amount, Invoiced quantity, Issued amount, Issued cost, Issued quantity, Quantity, Received amount, Received cost, Received quantity, Value, Avg cost	Aging Quantity Aging Value Aging Value ACY

Dimensions in cube

2.3.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Inventory state measure group	Posting Date is connected with date financial in inventory transaction table.
Inventory transaction measure group	Posting Date is connected with date financial in inventory transaction table.

Measure Groups

Inventory value / quantity works with date dimension by selecting last child in given level of the time dimension.
Example:

- Selecting year 2010, will set the filter for inventory on the last posted day in 2010
- Select month 2010-January will set the filter for inventory on 31. January 2010

2.3.1.2 Inventory State

Name	Description
Stock Quantity	Inventory for specific item on specific location. Calculated on daily basis. (Quantity from Inventory transaction table.)
Stock Value	Inventory value for specific items on specific location. Calculated on daily basis.

	(Cost amount posted and cost amount adjustment from inventory transaction table.)
Stock Value ACY	Inventory value for specific items on specific location in additional currency. Value is calculated based on the currency exchange rate regarding DATEPHYSICAL in the INVENTTRANS table.
Stock Value PCY	Inventory value for specific items on specific location in posted currency.

2.3.1.3 Inventory Aging

Name	Description
Aging Quantity	Inventory aging for specific item on specific location. (Quantity from Inventory transaction table.)
Aging Value	Inventory aging value for specific items on specific location. (Cost amount posted and cost amount adjustment from inventory transaction table.)
Aging Value ACY	Aging value for specific items on specific location in additional currency.

2.3.1.4 Inventory Transaction

Group of measures used for tracking stock in a given time period.

Name	Description
Cost Amount Adjustment	Adjustment amount. (Cost amount adjustment from inventory transaction table.) [INVENTTRANS].[COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[CostAmountAdjustmentBase]
Cost Amount Adjustment ACY	[INVENTTRANS].[COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[CostAmountAdjustmentACY]
Cost Amount Adjustment PCY	[INVENTTRANS].[COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[CostAmountAdjustmentPCY]
Invoiced Quantity	All movements of invoiced quantity in specific period. (Settled quantity from inventory transaction table.) [INVENTTRANS].[QTYSETTLED] -> [InventoryTransaction].[InvoicedQuantity]
Issued Amount	Issued amount. (Cost amount adjustment and cost amount posted, when quantity is smaller than 0.) [INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[IssuedAmountBase]
Issued Amount ACY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[IssuedAmountACY]
Issued Amount PCY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[IssuedAmountPCY]
Issued Cost	Issued cost per item. (Cost amount adjustment and cost amount posted divided by quantity, when quantity is smaller than 0. Absolute cost.) [INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT, QTY] -> [InventoryTransaction].[IssuedCostBase]
Issued Cost ACY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT, QTY] -> [InventoryTransaction].[IssuedCostACY]
Issued Cost PCY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT, QTY] -> [InventoryTransaction].[IssuedCostPCY]
Issued Quantity	All issued quantity from a location.

	(Absolute Quantity when is smaller than 0 from inventory transaction table.) [INVENTTRANS].[QTY] -> [InventoryTransaction].[IssuedQuantity]
Quantity	All movements of quantity in specific period at the last day of period. (Quantity from inventory transaction table.) [INVENTTRANS].[QTY] -> [InventoryTransaction].[Quantity]
Received Amount	Received amount. Cost amount adjustment and cost amount posted, when quantity is bigger than 0.) [INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ReceivedAmountBase]
Received Amount ACY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ReceivedAmountACY]
Received Amount PCY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ReceivedAmountPCY]
Received Cost	Cost we received per item. (Cost amount adjustment and cost amount posted divided by quantity, when quantity is bigger than 0. Absolute cost.) [INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ReceivedCostBase]
Received Cost ACY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ReceivedCostACY]
Received Cost PCY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT, QTY] -> [InventoryTransaction].[ReceivedCostPCY]
Received Quantity	All received quantity. (Quantity when is bigger than 0 from inventory transaction table.) [INVENTTRANS].[QTY] -> [InventoryTransaction].[ReceivedQuantity]
Value	All movements of inventory amount in specific period. (Cost amount posted and cost amount adjustment from inventory transaction table.) [INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ValueBase]
Value ACY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ValueACY]
Value PCY	[INVENTTRANS].[COSTAMOUNTPOSTED, COSTAMOUNTADJUSTMENT] -> [InventoryTransaction].[ValuePCY]

2.3.1.5 Calculated measures

Name	Description
Avg. stock quantity	Sum daily stock quantity / number of days in selected time period. (Average value of stock quantity in specified time period.)
Avg. stock value	Sum of daily stock values / number of days in selected time period. (Average value of stock in specified time period.)
Stock rotation coefficient	Received amount/Avg. stock value, where we have sales orders.
Stock rotation (days)	365/Stock rotation coefficient. (Turnover of stock in year period.)
Opening stock quantity	Stock quantity – Invoiced quantity.
Financial cost amount	Value – Cost amount adjustment.
Max stock value in time span	Max stock value in specified period.

Min stock value in time span	Min stock value in specified period.
Max stock quantity in time span	Max stock quantity in specified period.
Min stock quantity in time span	Min stock quantity in specified period.
Avg cost	Value / Quantity.
Avg cost ACY	Value ACY / Quantity.
Financial cost amount ACY	Value ACY – Cost amount adjustment ACY.
Avg. stock value ACY	Sum of daily stock values ACY / number of days in selected time period.
Stock rotation coefficient ACY	Received amount ACY/Avg. stock value ACY, where we have sales orders.
Stock rotation (days) ACY	365/Stock rotation coefficient ACY.
Max stock value in time span ACY	Max stock value ACY in specified period.
Min stock value in time span ACY	Min stock value ACY in specified period.

© BI4Dynamics UK, 2019. This document consists of 112 pages.

2.4 Payables Analysis

Enables overview of all financial analysis regarding vendors. Users can easily analyze payables, relation between debit/credit, balance and various rotation coefficients through different dimension attributes.
Balance is calculated daily from the first day of posting to MS Dynamics AX. It enables overview on before due and overdue payables in intervals by 30-60-90-120-150-180 days. Insight into payables is enabled for specific document on chosen date.

Extending functionality of MS Dynamics AX

Main advantages:

- advanced measures – avg. payables, rotation in days, avg. open days for an invoice, avg. due days for specific/group of invoices
- payables balance trough all vendors trough time dimension (trends of payables)
- snapshots for every day in BI4Dynamics AX Data warehouse makes due/over due payables analysis very fast

How to use dimensions and measures

	Payables State	Vendor Analysis
Multi-Measure Tool		X
Company	X	X
Currency	X	X
Date	X	X
Dim Global Financial Dimension 3	X	X
Dim Global Financial Dimension 4		X
Document Purchase Order	X	X
Document Vendor	X	X
Document Vendor Invoice	X	X
Due Analysis	X	
Employee	X	X
Financial Dimension 10		X
Vendor	X	X
Measures	Payables Balance, Payables Balance PCY, Payables Balance ACY, Avg Payables, Avg Due Days Payables, Avg Open Days Payables, Avg Overdue Days Payables, Payables Coefficient, Payables Turnover (Days), % of Total Purchase, % Payables Overdue	Vendor Net Change, Vendor Debit, Vendor Credit, Vendor Net Change PCY, Vendor Net Change ACY, Vendor Credit PCY, Vendor Debit PCY, Vendor Credit ACY, Vendor Debit ACY, Vendor Discount, Vendor Discount ACY, Purchase, Purchase On Credit, Avg Payables Payment Terms, Purchase On Credit (%)

Dimensions in cube

2.4.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Due Overdue payables measure group	Posting Date is connected with transaction date in vendor settlement table.
Vendor analysis measure group	Posting Date is connected with transaction date in vendor transaction table.

Measure Groups

2.4.1.2 Payables State

Name	Description
Payables Balance	Payables balance on specific day. (Calculated for every day based on Settlement amount mst and exch adjustment.) -> [PayablesState].[DueAmountOnDayBase]
Payables Balance ACY	Payables balance calculated in additional currency. -> [PayablesState].[DueAmountOnDayACY]
Payables Balance PCY	Payables balance calculated in posting currency. (Calculated for every day based on settlement amount in posted currency.) -> [PayablesState].[DueAmountOnDayPCY]

2.4.1.3 Vendor Analysis

Name	Description
Credit	Credit amount. (Amount mst smaller than 0 from vendor transaction table is used. Amount is multiplied with minus, to get positive value.) [VENDTRANS].[AMOUNTMST] -> [Payables].[CreditBase]
Credit ACY	[VENDTRANS].[AMOUNTMST] -> [Payables].[CreditACY]
Credit PCY	[VENDTRANS].[AMOUNTCUR] -> [Payables].[CreditPCY]
Debit	Debit amount. (Amount mst bigger than 0 from vendor transaction table is used.) [VENDTRANS].[AMOUNTMST] -> [Payables].[DebitBase]
Debit ACY	[VENDTRANS].[AMOUNTMST] -> [Payables].[DebitACY]
Debit PCY	Debit amount in posted currency. (Amount cur bigger than 0 from vendor transaction table is used.) [VENDTRANS].[AMOUNTCUR] -> [Payables].[DebitPCY]
Vendor Net Change	Debit – credit. (Amount mst from vendor transaction table is used.) [VENDTRANS].[AMOUNTMST] -> [Payables].[AmountBase]
Vendor Net Change ACY	[VENDTRANS].[AMOUNTMST] -> [Payables].[AmountACY]
Vendor Net Change PCY	Debit – credit in posted currency. (Amount cur from vendor transaction table is used.) [VENDTRANS].[AMOUNTCUR] -> [Payables].[AmountPCY]
Purchase	Purchase amount (without VAT).
Purchase ACY	Purchase amount (without VAT) in additional currency.
Purchase On Credit	Purchase amount which is On Credit (Purchase On Credit/Purchase)
Purchase On Credit ACY	[VENDINVOICEJOUR].[SALESBALANCE] -> [Payables].[PurchaseOnCreditACY]
Vendor Discount	Financial discount on a given invoice.
Vendor Discount ACY	Financial discount on a given invoice in additional currency.

2.4.1.4 Calculated measures

Measure	Description
Avg Open Days Payables	Payables Open Days Weighted / AmountOnDay (How many days are the documents open by average. Example: if payment days is 90, then 90 means that we are paying our vendors on time.)
Average Due Days Payables	Payables Due Days Weighted / AmountOnDay (How many days are we late with payments by average.)
Average Overdue Days Payables	Payables Overdue Days Weighted / AmountOnDay (How many days company is late in payment to its vendors, weighted by open amount)
Opening Payables Balance	Sum of Balance for specified period.
Avg Open Days Payables ACY	Payables Open Days Weighted ACY / AmountOnDay ACY.
Average Due Days Payables ACY	Payables Due Days Weighted ACY / AmountOnDay ACY.
Average Overdue Days Payables ACY	Payables Overdue Days Weighted ACY / AmountOnDay ACY.
Payables Coefficient	Purchase On Credit / Avg Payables (only applicable when Avg Payables is between -1 and 1)
Payables Turnover (Days)	365 / Payables Coefficient
Payables Coefficient ACY	Purchase On Credit ACY / Avg Payables ACY (only applicable when Avg Payables ACY is between -1 and 1)
Payables Turnover (Days) ACY	365 / Payables Coefficient ACY.
% of Total Purchase	Percentage of total purchase.
% of Total Purchase ACY	Percentage of total purchase ACY.
% Payables Overdue	Percentage of payables which is overdue.
% Payables Overdue ACY	Percentage of payables ACY which is overdue.
Avg Payables Payment Terms	Due Days Amount / Amount Invoice
Avg Payables Payment Terms ACY	Due Days Amount ACY / Amount Invoice ACY.
Purchase On Credit (%)	Percentage of purchase which is on credit (deferred payment) (Purchase On Credit / Purchase).
Purchase On Credit ACY (in %)	Percentage of purchase ACY which is on credit (deferred payment) (Purchase On Credit ACY / Purchase ACY).
Days Payables Outstanding	Accounts Payable / Average purchase per day (calculates the average payment period, see Payables Turnover (days))
Days Payables Outstanding ACY	Accounts Payable ACY / Average purchase ACY per day (calculates the average payment period, see Payables Turnover (days) ACY).

2.5 Production Analysis

Production module enables us to track all activities regarding different products during their production. It is easy to compare expected to actual consumption costs and quantities. Of course there is also real output, which can be compared with actual consumption and can reveal us scrap generated during our production process.

Extending functionality of MS Dynamics AX

Main advantages:

- multiple companies,
- shows us before unknown opportunities,
- reports made in advance can be used,
- easy consumption and output check and
- almost one click cost comparing.

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Production	Production Center	Production Standard
Multi-Measure Tool		X	
Company	X	X	X
Composition	X		
Consumption	X	X	
Cost Group	X		
Date	X	X	X
Dim Global Financial Dimension 3	X	X	
Dim Global Financial Dimension 4	X	X	
Financial Dimension 1 - 15	X	X	
Inventory Batch	X		
Inventory Dimensions	X		
Inventory Serial	X		
Inventory Size	X		
Output	X		
Production Employee		X	X
Production Error		X	
Production Job		X	
Production Order	X		
Production Pool	X		
Production Route	X	X	
Vendor	X		
Measures	Actual cost adjustment, Actual cost amount, Actual quantity, Avg consumption cost, Avg output cost, Consumption quantity, Output quantity, Percent, Price,	Consumed hours, Good quantity, Hour cost, Hour price, Posted to GL, Quality %, Quantity cost, Quantity price, Sales price,	Standard time, Efficiency (standard hours)

	Scrap const, Scrap var, WIP, Estimated cost, Estimated markup, Estimated quantity, Sales amount, Sales markup, Actual cost/Estimated cost index, Actual quantity/Estimated quantity index, Estimated cost variance, Estimated quantity variance	Scrap %, Scrap amount, Scrap quantity,	

Measure Groups

2.5.1.1 Production

Name	Description
Actual Cost Adjustment	Cost amount adjustment. (Actual cost adjustment (REALCOSTADJUSTMENT) from production calculation table.) [PRODCALCTRANS].[REALCOSTADJUSTMENT] -> [Production].[ActualCostAdjustment]
Actual Cost Amount	Cost accounted cost amount. (Real cost amount (REALCOSTAMOUNT) from production calculation table.) [PRODCALCTRANS].[REALCOSTAMOUNT] -> [Production].[ActualCostAmount]
Consumption Quantity	Cost accounted quantity consumption. (Real consumption (REALCONSUMP) from production calculation table.) [PRODCALCTRANS].[REALCONSUMP] -> [Production].[ActualConsumption]
Estimated Cost	Cost amount for specific item in inventory units. (Cost amount (COSTAMOUNT) from production calculation table.) [PRODCALCTRANS].[COSTAMOUNT] -> [Production].[EstimatedCost]
Estimated Markup	Charges for goods in posted line. (Cost markup (COSTMARKUP) from production calculation table.) [PRODCALCTRANS].[COSTMARKUP] -> [Production].[EstimatedMarkup]
Estimated Quantity	Estimated quantity in the inventory unit. (Scheduled quantity (QTYSCHED) from production table if we have production calculation type. Inventory calculation quantity (QTYINVENTCALC) from production BOM table, if we have item or BOM calculation type. If we have a process calculation type then is sum of setup, process and transport time (CALCSETUP, CALCPROC, SETUPTIME, TRANSPTIME) from production route table.) [PRODCALCTRANS].[CONSUMPVARIABLE] -> [Production].[EstimatedQuantity]
Output Quantity	Quantity reported as finished. (Real quantity (REALQTY) from production calculation transaction table.)

	[PRODCALCTRANS].[REALQTY] -> [Production].[ActualQuantity]
Price*	Item cost price. (Project cost price (PROJCOSTPRICE) from production table when we have production calculation type. In case we have items or BOMs then it is from production BOM table.) [PRODCALCTRANS].[PROJCOSTPRICE] -> [Production].[Price]
Sales Amount	Sales amount. (Sales amount (SALESAMOUNT) from production calculation table.) [PRODCALCTRANS].[SALESAMOUNT] -> [Production].[SalesAmount]
Sales Markup	Charges on sales. (Sales markup (SALESMARKUP) from production calculation table.) [PRODCALCTRANS].[SALESMARKUP] -> [Production].[SalesMarkup]
Scrap Const	Constant scrap in BOM unit. (Scrap constant quantity (SCRAPVAR) from production BOM table for item and BOM calculation type, else is 0.) [PRODBOM].[SCRAPCONST] -> [Production].[ScrapConst]
Scrap Var	Variable scrap. (Scrap variable quantity (SCRAPVAR) from production BOM table for item and BOM calculation type, else is 0.) [PRODBOM].[SCRAPVAR] -> [Production].[ScrapVar]
WIP	Cost accounted cost amount. (Real cost amount (REALCOSTAMOUNT) from production calculation table [PRODCALCTRANS].[REALCOSTAMOUNT] -> [Production].[WIP]

* Measure used for AX 2009 version on.

2.5.1.2 Production Center

Name	Description
Consumed Hours	Number of consumed hours. (Hours from production route transaction table.) [PRODROUTETRANS].[HOURS] -> [ProductionCenter].[ConsumedHours]
Good Quantity	Good quantity of items that were produced. (Good quantity from production route transaction table.) [PRODROUTETRANS].[QTYGOOD] -> [ProductionCenter].[GoodQty]
Hour Cost	Hours multiplied with hour price. [PRODROUTETRANS].[HOURS, HOURPRICE] -> [ProductionCenter].[HourAmount]
Hour Price	Price per hour. (Hour price from production route transaction table.) [PRODROUTETRANS].[HOURPRICE] -> [ProductionCenter].[HourPrice]
Posted to GL*	Amount posted to ledger entry. (Amount from production transaction table.) [PRODROUTETRANS].[AMOUNT] -> [ProductionCenter].[PostedtoGL]
Quantity Cost	Good quantity multiplied with price quantity. [PRODROUTETRANS].[QTYGOOD, QTYPRICE] -> [ProductionCenter].[QtyAmount]
Quantity Price	Price per produced item. (Price quantity from production transaction table.) [PRODROUTETRANS].[QTYPRICE] -> [ProductionCenter].[QtyPrice]
Sales Price	Sales price per unit in current sales currency. (Project sales price from production transaction table.)

	[PRODROUTETRANS].[PROJSALESPRICE] -> [ProductionCenter].[SalesPrice]
Scrap Quantity	Error quantity we get during production. (Error quantity from production route transaction table.) [PRODROUTETRANS].[QTYERROR] -> [ProductionCenter].[ErrorQty]

* Measure used for AX 2009 version on.

2.5.1.3 Production Standard

Name	Description
Standard Time	Difference between start and end time from jmg profile specification table. [JMGPROFILESPEC].[ENDTIME, STARTTIME] -> [ProductionStandard].[StandardTime]

2.5.1.4 Calculated measures

Measure	Description
Scrap amount	Scrap Quantity * Quantity Price.
Scrap %	(Scrap quantity – Good quantity)/Good quantity.
Quality %	1 - Scrap %.
Efficiency (standard hours)	(Consumed hours – Standard time)/Standard time.
Avg output cost	Actual cost amount / Output quantity
Avg consumption cost	Actual cost amount / Consumption quantity.
Percent	Percent of actual cost amount on specific level of hierarchy.
Actual quantity	Consumption quantity + Output quantity.
Actual quantity/Estimated quantity index	(Actual quantity / Estimated quantity) – 1.
Estimated quantity variance	Actual quantity – Estimated quantity.
Estimated cost variance	Actual cost amount – Estimated cost.
Actual cost/Estimated cost index	(Actual cost amount / Estimated cost) – 1.

© BI4Dynamics UK, 2019. This document consists of 112 pages.

2.6 Project Analysis

The project cube enables the business to report on profitability, committed cost, employee utilization and cash flow for one or multiple projects.

Extending functionality of MS Dynamics AX

Main advantages are:

- Advanced analysis on actual and budgeted project costs
- Analysis on project cash flow
- Analysis on used materials, hours, cost compared to budget

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Project Actual	Project Budget
Multi-Measure Tool		X
Company	X	X
Customer	X	X
Document Project	X	X
Employee	X	X
Financial Dimension 1 - 15	X	X
GL Account	X	X
Item	X	X
Posting Date	X	X
Project	X	X
Project Category	X	X
Project Status	X	X
Project Transaction Type	X	X
Project Type	X	X
Responsible	X	X
Responsible Financial	X	X
Responsible Sales	X	X
Transaction Date		

Dimensions in cube

2.6.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Project Actual	Date dimension is connected to the transaction date of posting the documents to the general ledger. (PROJTRANSPOSTING.LEDGERTRANSDATE)
Project Budget	Date dimension is connected to the planned transaction date of posting the documents to the general ledger. (PROJTRANSBUDGET.LEDGERTRANSDATE)

Measure Groups

2.6.1.2 Project Actual

Name	Description
Actual Accrued Loss	Sum of the Accrued loss on projects for a specified period.

	(Sum of AmountMST on Postingtype135) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualAccruedLoss]
Actual Accrued Revenue	Sum of total Accrued revenue on projects for a specified period. (Sum of AmountMST with postingtype 128,130,132,137 [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualAccruedRevenue]
Actual Cash Inflow	Sum of all Inflow on projects for a specified period. (Sum of AmountMST on Postingtype 126,127,138) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCashInflow]
Actual Cash Outflow	Sum of all Outflow on projects for a specified period. (Sum of AmountMST on Postingtype 121,123,134,139) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCashOutflow]
Actual Consumption Cost	Sum of all Consumption Cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 121,123,124,125,134,139) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualConsumptionCost]
Actual Consumption Cost Expense	Sum of all Consumption Cost – Expense on projects for a specified period. (Sum of AmountMST on Projtranstype 3 and Postingtype 121,123) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualConsumptionCostExpense]
Actual Consumption Cost Hours	Sum of all Consumption Cost – Hour on projects for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 121,123,134,139,) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualConsumptionCostHours]
Actual Consumption Cost Item	Sum of all Consumption Cost – Item on projects for a specified period. (Sum of AmountMST on Projtranstype 4 and Postingtype 121,124,125) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualConsumptionCostItem]
Actual Cost	Sum of total posted cost for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 121,124,134,135,139) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCost]
Actual Cost Expense	Sum of total posted cost-Expense for a specified period (Sum of AmountMST on Projtranstype 3 and Postingtype 121) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCostExpense]
Actual Cost Hour	Sum of total posted cost-Hour for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 124,139) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCostHour]
Actual Cost Item	Sum of total posted cost-Item for a specified period (Sum of AmountMST on Projtranstype 4 and Postingtype 121,124) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCostItem]
Actual Cost Sales	[PROJTRANSPOSTING].[COSTSALES] -> [ProjectActual].[COSTSALES]
Actual Cost Transaction Type	Sum of all Actual Cost – Transaction Type on projects for a specified period. (Sum of AmountMST on Postingtype 134) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualCostTransactionType]
Actual Gross Margin	Gross Margin: Difference between revenue and cost on projects for a specified period. (Sum of AmountMST on Postingtype 121,124,126,127,128,130,132,134,139,135,137) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualGrossMargin]
Actual Hours	Sum of the Actual Cost Hour and all the WIP Hour cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 121,123,124,125,134,139) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualHours]

Actual Hours Cost	Sum of the Actual Cost Hour (Sum of ACTUALCOST on Projtranstype 2) [PROJTRANSPOSTING].[ACTUALCOST] -> [ProjectActual].[ActualHoursCost]
Actual Invoiced On Account	Sum of all Invoiced On-Account on projects for a specified period. (Sum of AmountMST on Postingtype 122,127,137,138) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualInvoicedOnAccount]
Actual Invoiced Revenue	Sum of total invoiced revenue on projects for a specified period . (Sum of AmountMST on postingtype 126 and 127) [PROJTRANSPOSTING].[AMOUNTMST]-> [ProjectActual].[ActualInvoicedRevenue]
Actual Out Of Pocket Cost	[PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualOutOfPocketCost]
Actual Payroll Allocation	Sum of all Payroll Allocation on projects for a specified period. (Sum of AmountMST on Postingtype 122) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualPayrollAllocation]
Actual Revenue	Actual invoiced revenue + Actual Accrued Revenue for a specified period. [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualRevenue]
Actual Transaction Qty	[PROJTRANSPOSTING].[QTY] -> [ProjectActual].[QTY]
Actual Transaction Amount	[PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[AMOUNTMST]
Actual WIP Cost	Sum of all WIP cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 123,125,136) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualWIPCost]
Actual WIP Invoiced On Account	Sum of all WIP Invoiced On-Account on projects for a specified period. (Sum of AmountMST on Postingtype 138) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualWIPInvoicedOnAccount]
Actual WIP Sales	Sum of all WIP Sales on projects for a specified period. (Sum of AmountMST on Projtranstype 1 and Postingtype 129,131,133,208) [PROJTRANSPOSTING].[AMOUNTMST] -> [ProjectActual].[ActualWIPSales]
Hours Quantity	[PROJTRANSPOSTING].[QTY] -> [ProjectActual].[HoursQuantity]
Item Quantity	[PROJTRANSPOSTING].[QTY] -> [ProjectActual].[ItemQuantity]

2.6.1.3 Project Budget

Name	Description
Budget Accrued Loss	Sum of the budgeted Accrued loss on projects for a specified period. (Sum of AmountMST on Postingtype135) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetAccruedLoss]
Budget Accrued Revenue	Sum of total Budget Accrued revenue on projects for a specified period. (Sum of AmountMST with postingtype 128,130,132,137 [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetAccruedRevenue]
Budget Cash Inflow	Sum of all Inflow on projects for a specified period. (Sum of AmountMST on Postingtype 126,127,138) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCashInflow]
Budget Cash Outflow	Sum of all Budget Cash Outflow on projects for a specified period. (Sum of AmountMST on Postingtype 121,123,134,139) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCashOutflow]

Budget Consumption Cost	Sum of all budgeted Consumption Cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 121,123,124,125,134,139) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetConsumptionCost]
Budget Consumption Cost Expense	Sum of all budgeted Consumption Cost – Expense on projects for a specified period. (Sum of AmountMST on Projtranstype 3 and Postingtype 121,123) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetConsumptionCostExpense]
Budget Consumption Cost Hours	Sum of all budgeted Consumption Cost – Hour on projects for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 121,123,134,139,) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetConsumptionCostHours]
Budget Consumption Cost Item	Sum of all budgeted Consumption Cost – Item on projects for a specified period. (Sum of AmountMST on Projtranstype 4 and Postingtype 121,124,125) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetConsumptionCostItem]
Budget Cost	Sum of total budgeted cost for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 121,124,134,135,139) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCost]
Budget Cost Expense	Sum of total budgeted cost-Expense for a specified period (Sum of AmountMST on Projtranstype 3 and Postingtype 121) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCostExpense]
Budget Cost Hour	Sum of total budgeted cost-Hour for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 124,139) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCostHour]
Budget Cost Item	Sum of total budgeted cost-Item for a specified period (Sum of AmountMST on Projtranstype 4 and Postingtype 121,124) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetCostItem]
Budget Cost Sales	[PROJTRANSBUDGET].[COSTSALES] -> [ProjectBudget].[COSTSALES]
Budget Gross Margin	Budget Gross Margin: Difference between revenue and cost on projects for a specified period. (Sum of AmountMST on Postingtype 121,124,126,127,128,130,132,134,139,135,137) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetGrossMargin]
Budget Hours	Sum of the budgeted Actual Cost Hour and all the budgeted WIP Hour cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2 and Postingtype 121,123,124,125,134,139) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetHours]
Budget Invoiced On Account	Sum of all Invoiced On-Account on projects for a specified period. (Sum of AmountMST on Postingtype 122,127,137,138) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetInvoicedOnAccount]

Budget Invoiced Revenue	Sum of total Budget invoiced revenue on projects for a specified period. (Sum of AmountMST on postingtype 126 and 127) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetInvoicedRevenue]
Budget Out Of Pocket Cost	[PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetOutOfPocketCost]
Budget Payroll Allocation	Sum of all budgeted Payroll Allocation on projects for a specified period. (Sum of AmountMST on Postingtype 122) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetPayrollAllocation]
Budget Revenue	Budget invoiced revenue + Budget Accrued Revenue for a specified period. [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetRevenue]
Budget Transaction Amount	[PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[AMOUNTMST]
Budget Transaction Qty	[PROJTRANSBUDGET].[QTY] -> [ProjectBudget].[QTY]
Budget WIP Cost	Sum of all budgeted WIP cost on projects for a specified period. (Sum of AmountMST on Projtranstype 2,3,4 and Postingtype 123,125,136) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetWIPCost]
Budget WIP Invoiced On Account	Sum of all budgeted WIP Invoiced On-Account on projects for a specified period. (Sum of AmountMST on Postingtype 138) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetWIPInvoicedOnAccount]
Budget WIP Sales	Sum of all budgeted WIP Sales on projects for a specified period. (Sum of AmountMST on Projtranstype 1 and Postingtype 129,131,133,208) [PROJTRANSBUDGET].[AMOUNTMST] -> [ProjectBudget].[BudgetWIPSales]
Hours Quantity - Project Budget	[PROJTRANSBUDGET].[QTY] -> [ProjectBudget].[HoursQuantity]
Item Quantity - Project Budget	[PROJTRANSBUDGET].[QTY] -> [ProjectBudget].[ItemQuantity]
Budget Cost Transaction Type	[PROJTRANSBUDGET].[AMOUNTMST] (Sum of a on Postingtype 134)

2.6.1.4 Calculated measures

Name	Description
Invoiced Revenue Deviation	Budget Invoiced Revenue - Actual Invoiced Revenue
Accrued Revenue Deviation	Budget Accrued Revenue - Actual Accrued Revenue
Revenue Deviation	Budget Revenue – Actual Revenue
Cost Deviation	Budget Cost – Actual Cost
Cost - Hour Deviation	Budget Cost – Hour - Actual Cost - Hour
Cost - Expense Deviation	Budget Cost – Expense – Actual Cost - Hour
Cost - Item Deviation	Budget Cost – Item – Actual Cost - Item
Accrued Loss Deviation	Budget Accrued Loss – Actual Accrued Loss
WIP Cost Deviation	Budget WIP Cost – Actual WIP Cost
WIP Sales Deviation	Budget WIP Sales – Actual WIP Sales

WIP Invoiced On-Account Deviation	Budget WIP Invoiced On-Account – Actual WIP Invoiced On-Account
Hours Deviation	Budget Hours – Actual Hours
Consumption Deviation	Budget Consumption – Actual Consumption
Consumption Cost - Hours Deviation	Budget Consumption Cost- Hours – Actual Consumption Cost-Hours
Consumption Cost - Expense Deviation	Budget Consumption Cost - Expense – Actual Consumption Cost - Expense
Consumption Cost - Item Deviation	Budget Consumption Cost – Item – Actual Consumption Cost - Item
Payroll Allocation Deviation	Budget Payroll Allocation – Actual Payroll Allocation
Invoiced On-Account Deviation	Budget Invoiced On-Account – Actual Invoiced On-Account
Cost - Transaction Type Deviation	Budget Cost - Transaction Type – Actual Invoiced On-Account
Cash Inflow Deviation	Budget Cash Inflow – Actual Cash Inflow
Cash Outflow Deviation	Budget Cash Outflow – Actual Cash Outflow
Gross Margin Deviation	Budget Gross Margin – Actual Gross Margin
Gross WIP Cost Deviation	Budget Gross WIP Cost Deviation – Actual Gross WIP Cost Deviation
Net WIP Deviation	Budget Net WIP – Actual Net WIP
Actual Accrued Loss YTD	Actual Accrued Loss Year-to-Date
Actual Accrued Revenue YTD	Actual Accrued Revenue Year-to-Date
Actual Cash Inflow YTD	Actual Cash Inflow Year-to-Date
Actual Cash Outflow YTD	Actual Cash Outflow Year-to-Date
Actual Consumption Cost YTD	Actual Consumption Cost Year-to-Date
Actual Consumption Cost Expense YTD	Actual Consumption Cost Expense Year-to-Date
Actual Consumption Cost Hours YTD	Actual Consumption Cost Hours Year-to-Date
Actual Consumption Cost Item YTD	Actual Consumption Cost Item Year-to-Date
Actual Cost YTD	Actual Cost Year-to-Date
Actual Cost Expense YTD	Actual Cost Expense Year-to-Date
Actual Cost Hour YTD	Actual Cost Hour Year-to-Date
Actual Cost Item YTD	Actual Cost Item Year-to-Date
Actual Cost Sales YTD	Actual Cost Sales Year-to-Date
Actual Cost Transaction Type YTD	Actual Cost Transaction Type Year-to-Date
Actual Gross Margin YTD	Actual Gross Margin Year-to-Date
Actual Hours YTD	Actual Hours Year-to-Date
Actual Hours Cost YTD	Actual Hours Cost Year-to-Date
Actual Invoiced On Account YTD	Actual Invoiced On Account Year-to-Date
Actual Invoiced Revenue YTD	Actual Invoiced Revenue Year-to-Date
Actual Out Of Pocket Cost YTD	Actual Out Of Pocket Cost Year-to-Date
Actual Payroll Allocation YTD	Actual Payroll Allocation Year-to-Date
Actual Revenue YTD	Actual Revenue Year-to-Date
Actual Transaction Qty YTD	Actual Transaction Qty Year-to-Date
Actual Transaction Amount YTD	Actual Transaction Amount Year-to-Date
Actual WIP Cost YTD	Actual WIP Cost Year-to-Date
Actual WIP Invoiced On Account YTD	Actual WIP Invoiced On Account Year-to-Date

Actual WIP Sales YTD	Actual WIP Sales Year-to-Date
Hours Quantity YTD	Hours Quantity Year-to-Date
Item Quantity YTD	Item Quantity Year-to-Date
Budget Accrued Loss YTD	Budget Accrued Loss Year-to-Date
Budget Accrued Revenue YTD	Budget Accrued Revenue Year-to-Date
Budget Cash Inflow YTD	Budget Cash Inflow Year-to-Date
Budget Cash Outflow YTD	Budget Cash Outflow Year-to-Date
Budget Consumption Cost YTD	Budget Consumption Cost Year-to-Date
Budget Consumption Cost Expense YTD	Budget Consumption Cost Expense Year-to-Date
Budget Consumption Cost Hours YTD	Budget Consumption Cost Hours Year-to-Date
Budget Consumption Cost Item YTD	Budget Consumption Cost Item Year-to-Date
Budget Cost YTD	Budget Cost Year-to-Date
Budget Cost Expense YTD	Budget Cost Expense Year-to-Date
Budget Cost Hour YTD	Budget Cost Hour Year-to-Date
Budget Cost Item YTD	Budget Cost Item Year-to-Date
Budget Cost Sales YTD	Budget Cost Sales Year-to-Date
Budget Gross Margin YTD	Budget Gross Margin Year-to-Date
Budget Hours YTD	Budget Hours Year-to-Date
Budget Invoiced On Account YTD	Budget Invoiced On Account Year-to-Date
Budget Invoiced Revenue YTD	Budget Invoiced Revenue Year-to-Date
Budget Out Of Pocket Cost YTD	Budget Out Of Pocket Cost Year-to-Date
Budget Payroll Allocation YTD	Budget Payroll Allocation Year-to-Date
Budget Revenue YTD	Budget Revenue Year-to-Date
Budget Transaction Amount YTD	Budget Transaction Amount Year-to-Date
Budget Transaction Qty YTD	Budget Transaction Qty Year-to-Date
Budget WIP Cost YTD	Budget WIP Cost Year-to-Date
Budget WIP Invoiced On Account YTD	Budget WIP Invoiced On Account Year-to-Date
Budget WIP Sales YTD	Budget WIP Sales Year-to-Date
Hours Quantity - Project Budget YTD	Hours Quantity - Project Budget Year-to-Date
Item Quantity - Project Budget YTD	Item Quantity - Project Budget Year-to-Date
Budget Cost Transaction Type YTD	Budget Cost Transaction Type Year-to-Date
Actual Accrued Loss Last YTD	Previous Year-to-Date Actual Accrued Loss
Actual Accrued Revenue Last YTD	Previous Year-to-Date Actual Accrued Revenue
Actual Cash Inflow Last YTD	Previous Year-to-Date Actual Cash Inflow
Actual Cash Outflow Last YTD	Previous Year-to-Date Actual Cash Outflow
Actual Consumption Cost Last YTD	Previous Year-to-Date Actual Consumption Cost
Actual Consumption Cost Expense Last YTD	Previous Year-to-Date Actual Consumption Cost Expense
Actual Consumption Cost Hours Last YTD	Previous Year-to-Date Actual Consumption Cost Hours
Actual Consumption Cost Item Last YTD	Previous Year-to-Date Actual Consumption Cost Item
Actual Cost Last YTD	Previous Year-to-Date Actual Cost

Actual Cost Expense Last YTD	Previous Year-to-Date Actual Cost Expense
Actual Cost Hour Last YTD	Previous Year-to-Date Actual Cost Hour
Actual Cost Item Last YTD	Previous Year-to-Date Actual Cost Item
Actual Cost Sales Last YTD	Previous Year-to-Date Actual Cost Sales
Actual Cost Transaction Type Last YTD	Previous Year-to-Date Actual Cost Transaction Type
Actual Gross Margin Last YTD	Previous Year-to-Date Actual Gross Margin
Actual Hours Last YTD	Previous Year-to-Date Actual Hours
Actual Hours Cost Last YTD	Previous Year-to-Date Actual Hours Cost
Actual Invoiced On Account Last YTD	Previous Year-to-Date Actual Invoiced On Account
Actual Invoiced Revenue Last YTD	Previous Year-to-Date Actual Invoiced Revenue
Actual Out Of Pocket Cost Last YTD	Previous Year-to-Date Actual Out Of Pocket Cost
Actual Payroll Allocation Last YTD	Previous Year-to-Date Actual Payroll Allocation
Actual Revenue Last YTD	Previous Year-to-Date Actual Revenue
Actual Transaction Qty Last YTD	Previous Year-to-Date Actual Transaction Qty
Actual Transaction Amount Last YTD	Previous Year-to-Date Actual Transaction Amount
Actual WIP Cost Last YTD	Previous Year-to-Date Actual WIP Cost
Actual WIP Invoiced On Account Last YTD	Previous Year-to-Date Actual WIP Invoiced On Account
Actual WIP Sales Last YTD	Previous Year-to-Date Actual WIP Sales
Hours Quantity Last YTD	Previous Year-to-Date Hours Quantity
Item Quantity Last YTD	Previous Year-to-Date Item Quantity
Budget Accrued Loss Last YTD	Previous Year-to-Date Budget Accrued Loss
Budget Accrued Revenue Last YTD	Previous Year-to-Date Budget Accrued Revenue
Budget Cash Inflow Last YTD	Previous Year-to-Date Budget Cash Inflow
Budget Cash Outflow Last YTD	Previous Year-to-Date Budget Cash Outflow
Budget Consumption Cost Last YTD	Previous Year-to-Date Budget Consumption Cost
Budget Consumption Cost Expense Last YTD	Previous Year-to-Date Budget Consumption Cost Expense
Budget Consumption Cost Hours Last YTD	Previous Year-to-Date Budget Consumption Cost Hours
Budget Consumption Cost Item Last YTD	Previous Year-to-Date Budget Consumption Cost Item
Budget Cost Last YTD	Previous Year-to-Date Budget Cost
Budget Cost Expense Last YTD	Previous Year-to-Date Budget Cost Expense

Budget Cost Hour Last YTD	Previous Year-to-Date Budget Cost Hour
Budget Cost Item Last YTD	Previous Year-to-Date Budget Cost Item
Budget Cost Sales Last YTD	Previous Year-to-Date Budget Cost Sales
Budget Gross Margin Last YTD	Previous Year-to-Date Budget Gross Margin
Budget Hours Last YTD	Previous Year-to-Date Budget Hours
Budget Invoiced On Account Last YTD	Previous Year-to-Date Budget Invoiced On Account
Budget Invoiced Revenue Last YTD	Previous Year-to-Date Budget Invoiced Revenue
Budget Out Of Pocket Cost Last YTD	Previous Year-to-Date Budget Out Of Pocket Cost
Budget Payroll Allocation Last YTD	Previous Year-to-Date Budget Payroll Allocation
Budget Revenue Last YTD	Previous Year-to-Date Budget Revenue
Budget Transaction Amount Last YTD	Previous Year-to-Date Budget Transaction Amount
Budget Transaction Qty Last YTD	Previous Year-to-Date Budget Transaction Qty
Budget WIP Cost Last YTD	Previous Year-to-Date Budget WIP Cost
Budget WIP Invoiced On Account Last YTD	Previous Year-to-Date Budget WIP Invoiced On Account
Budget WIP Sales Last YTD	Previous Year-to-Date Budget WIP Sales
Hours Quantity - Project Budget Last YTD	Previous Year-to-Date Hours Quantity - Project Budget
Item Quantity - Project Budget Last YTD	Previous Year-to-Date Item Quantity - Project Budget
Budget Cost Transaction Type Last YTD	Previous Year-to-Date Budget Cost Transaction Type
Actual Accrued Loss Variance YTD	Actual Accrued Loss YTD - Actual Accrued Loss Last YTD
Actual Accrued Revenue Variance YTD	Actual Accrued Revenue YTD - Actual Accrued Revenue Last YTD
Actual Cash Inflow Variance YTD	Actual Cash Inflow YTD - Actual Cash Inflow Last YTD
Actual Cash Outflow Variance YTD	Actual Cash Outflow YTD - Actual Cash Outflow Last YTD
Actual Consumption Cost Variance YTD	Actual Consumption Cost YTD - Actual Consumption Cost Last YTD
Actual Consumption Cost Expense Variance YTD	Actual Consumption Cost Expense YTD - Actual Consumption Cost Expense Last YTD
Actual Consumption Cost Hours Variance YTD	Actual Consumption Cost Hours YTD - Actual Consumption Cost Hours Last YTD
Actual Consumption Cost Item Variance YTD	Actual Consumption Cost Item YTD - Actual Consumption Cost Item Last YTD
Actual Cost Variance YTD	Actual Cost YTD - Actual Cost Last YTD

Actual Cost Expense Variance YTD	Actual Cost Expense YTD - Actual Cost Expense Last YTD
Actual Cost Hour Variance YTD	Actual Cost Hour YTD - Actual Cost Hour Last YTD
Actual Cost Item Variance YTD	Actual Cost Item YTD - Actual Cost Item Last YTD
Actual Cost Sales Variance YTD	Actual Cost Sales YTD - Actual Cost Sales Last YTD
Actual Cost Transaction Type Variance YTD	Actual Cost Transaction Type YTD - Actual Cost Transaction Type Last YTD
Actual Gross Margin Variance YTD	Actual Gross Margin YTD - Actual Gross Margin Last YTD
Actual Hours Variance YTD	Actual Hours YTD - Actual Hours Last YTD
Actual Hours Cost Variance YTD	Actual Hours Cost YTD - Actual Hours Cost Last YTD
Actual Invoiced On Account Variance YTD	Actual Invoiced On Account YTD - Actual Invoiced On Account Last YTD
Actual Invoiced Revenue Variance YTD	Actual Invoiced Revenue YTD - Actual Invoiced Revenue Last YTD
Actual Out Of Pocket Cost Variance YTD	Actual Out Of Pocket Cost YTD - Actual Out Of Pocket Cost Last YTD
Actual Payroll Allocation Variance YTD	Actual Payroll Allocation YTD - Actual Payroll Allocation Last YTD
Actual Revenue Variance YTD	Actual Revenue YTD - Actual Revenue Last YTD
Actual Transaction Qty Variance YTD	Actual Transaction Qty YTD - Actual Transaction Qty Last YTD
Actual Transaction Amount Variance YTD	Actual Transaction Amount YTD - Actual Transaction Amount Last YTD
Actual WIP Cost Variance YTD	Actual WIP Cost YTD - Actual WIP Cost Last YTD
Actual WIP Invoiced On Account Variance YTD	Actual WIP Invoiced On Account YTD - Actual WIP Invoiced On Account Last YTD
Actual WIP Sales Variance YTD	Actual WIP Sales YTD - Actual WIP Sales Last YTD
Hours Quantity Variance YTD	Hours Quantity YTD - Hours Quantity Last YTD
Item Quantity Variance YTD	Item Quantity YTD - Item Quantity Last YTD
Budget Accrued Loss Variance YTD	Budget Accrued Loss YTD - Budget Accrued Loss Last YTD
Budget Accrued Revenue Variance YTD	Budget Accrued Revenue YTD - Budget Accrued Revenue Last YTD
Budget Cash Inflow Variance YTD	Budget Cash Inflow YTD - Budget Cash Inflow Last YTD
Budget Cash Outflow Variance YTD	Budget Cash Outflow YTD - Budget Cash Outflow Last YTD
Budget Consumption Cost Variance YTD	Budget Consumption Cost YTD - Budget Consumption Cost Last YTD
Budget Consumption Cost Expense Variance YTD	Budget Consumption Cost Expense YTD - Budget Consumption Cost Expense Last YTD

© BI4Dynamics UK, 2019. This document consists of 112 pages.

Budget Consumption Cost Hours Variance YTD	Budget Consumption Cost Hours YTD - Budget Consumption Cost Hours Last YTD
Budget Consumption Cost Item Variance YTD	Budget Consumption Cost Item YTD - Budget Consumption Cost Item Last YTD
Budget Cost Variance YTD	Budget Cost YTD - Budget Cost Last YTD
Budget Cost Expense Variance YTD	Budget Cost Expense YTD - Budget Cost Expense Last YTD
Budget Cost Hour Variance YTD	Budget Cost Hour YTD - Budget Cost Hour Last YTD
Budget Cost Item Variance YTD	Budget Cost Item YTD - Budget Cost Item Last YTD
Budget Cost Sales Variance YTD	Budget Cost Sales YTD - Budget Cost Sales Last YTD
Budget Gross Margin Variance YTD	Budget Gross Margin YTD - Budget Gross Margin Last YTD
Budget Hours Variance YTD	Budget Hours YTD - Budget Hours Last YTD
Budget Invoiced On Account Variance YTD	Budget Invoiced On Account YTD - Budget Invoiced On Account Last YTD
Budget Invoiced Revenue Variance YTD	Budget Invoiced Revenue YTD - Budget Invoiced Revenue Last YTD
Budget Out Of Pocket Cost Variance YTD	Budget Out Of Pocket Cost YTD - Budget Out Of Pocket Cost Last YTD
Budget Payroll Allocation Variance YTD	Budget Payroll Allocation YTD - Budget Payroll Allocation Last YTD
Budget Revenue Variance YTD	Budget Revenue YTD - Budget Revenue Last YTD
Budget Transaction Amount Variance YTD	Budget Transaction Amount YTD - Budget Transaction Amount Last YTD
Budget Transaction Qty Variance YTD	Budget Transaction Qty YTD - Budget Transaction Qty Last YTD
Budget WIP Cost Variance YTD	Budget WIP Cost YTD - Budget WIP Cost Last YTD
Budget WIP Invoiced On Account Variance YTD	Budget WIP Invoiced On Account YTD - Budget WIP Invoiced On Account Last YTD
Budget WIP Sales Variance YTD	Budget WIP Sales YTD - Budget WIP Sales Last YTD
Hours Quantity - Project Budget Variance YTD	Hours Quantity - Project Budget YTD - Hours Quantity - Project Budget Last YTD
Item Quantity - Project Budget Variance YTD	Item Quantity - Project Budget YTD - Item Quantity - Project Budget Last YTD
Budget Cost Transaction Type Variance YTD	Budget Cost Transaction Type YTD - Budget Cost Transaction Type Last YTD
Actual Accrued Loss YTD Index	Actual Accrued Loss YTD / Actual Accrued Loss Last YTD
Actual Accrued Revenue YTD Index	Actual Accrued Revenue YTD / Actual Accrued Revenue Last YTD
Actual Cash Inflow YTD Index	Actual Cash Inflow YTD / Actual Cash Inflow Last YTD
Actual Cash Outflow YTD Index	Actual Cash Outflow YTD / Actual Cash Outflow Last YTD
Actual Consumption Cost YTD Index	Actual Consumption Cost YTD / Actual Consumption Cost Last YTD

Actual Consumption Cost Expense YTD Index	Actual Consumption Cost Expense YTD / Actual Consumption Cost Expense Last YTD
Actual Consumption Cost Hours YTD Index	Actual Consumption Cost Hours YTD / Actual Consumption Cost Hours Last YTD
Actual Consumption Cost Item YTD Index	Actual Consumption Cost Item YTD / Actual Consumption Cost Item Last YTD
Actual Cost YTD Index	Actual Cost YTD / Actual Cost Last YTD
Actual Cost Expense YTD Index	Actual Cost Expense YTD / Actual Cost Expense Last YTD
Actual Cost Hour YTD Index	Actual Cost Hour YTD / Actual Cost Hour Last YTD
Actual Cost Item YTD Index	Actual Cost Item YTD / Actual Cost Item Last YTD
Actual Cost Sales YTD Index	Actual Cost Sales YTD / Actual Cost Sales Last YTD
Actual Cost Transaction Type YTD Index	Actual Cost Transaction Type YTD / Actual Cost Transaction Type Last YTD
Actual Gross Margin YTD Index	Actual Gross Margin YTD / Actual Gross Margin Last YTD
Actual Hours YTD Index	Actual Hours YTD / Actual Hours Last YTD
Actual Hours Cost YTD Index	Actual Hours Cost YTD / Actual Hours Cost Last YTD
Actual Invoiced On Account YTD Index	Actual Invoiced On Account YTD / Actual Invoiced On Account Last YTD
Actual Invoiced Revenue YTD Index	Actual Invoiced Revenue YTD / Actual Invoiced Revenue Last YTD
Actual Out Of Pocket Cost YTD Index	Actual Out Of Pocket Cost YTD / Actual Out Of Pocket Cost Last YTD
Actual Payroll Allocation YTD Index	Actual Payroll Allocation YTD / Actual Payroll Allocation Last YTD
Actual Revenue YTD Index	Actual Revenue YTD / Actual Revenue Last YTD
Actual Transaction Qty YTD Index	Actual Transaction Qty YTD / Actual Transaction Qty Last YTD
Actual Transaction Amount YTD Index	Actual Transaction Amount YTD / Actual Transaction Amount Last YTD
Actual WIP Cost YTD Index	Actual WIP Cost YTD / Actual WIP Cost Last YTD
Actual WIP Invoiced On Account YTD Index	Actual WIP Invoiced On Account YTD / Actual WIP Invoiced On Account Last YTD
Actual WIP Sales YTD Index	Actual WIP Sales YTD / Actual WIP Sales Last YTD
Hours Quantity YTD Index	Hours Quantity YTD / Hours Quantity Last YTD
Item Quantity YTD Index	Item Quantity YTD / Item Quantity Last YTD
Budget Accrued Loss YTD Index	Budget Accrued Loss YTD / Budget Accrued Loss Last YTD
Budget Accrued Revenue YTD Index	Budget Accrued Revenue YTD / Budget Accrued Revenue Last YTD
Budget Cash Inflow YTD Index	Budget Cash Inflow YTD / Budget Cash Inflow Last YTD
Budget Cash Outflow YTD Index	Budget Cash Outflow YTD / Budget Cash Outflow Last YTD
Budget Consumption Cost YTD Index	Budget Consumption Cost YTD / Budget Consumption Cost Last YTD

Budget Consumption Cost Expense YTD Index	Budget Consumption Cost Expense YTD / Budget Consumption Cost Expense Last YTD
Budget Consumption Cost Hours YTD Index	Budget Consumption Cost Hours YTD / Budget Consumption Cost Hours Last YTD
Budget Consumption Cost Item YTD Index	Budget Consumption Cost Item YTD / Budget Consumption Cost Item Last YTD
Budget Cost YTD Index	Budget Cost YTD / Budget Cost Last YTD
Budget Cost Expense YTD Index	Budget Cost Expense YTD / Budget Cost Expense Last YTD
Budget Cost Hour YTD Index	Budget Cost Hour YTD / Budget Cost Hour Last YTD
Budget Cost Item YTD Index	Budget Cost Item YTD / Budget Cost Item Last YTD
Budget Cost Sales YTD Index	Budget Cost Sales YTD / Budget Cost Sales Last YTD
Budget Gross Margin YTD Index	Budget Gross Margin YTD / Budget Gross Margin Last YTD
Budget Hours YTD Index	Budget Hours YTD / Budget Hours Last YTD
Budget Invoiced On Account YTD Index	Budget Invoiced On Account YTD / Budget Invoiced On Account Last YTD
Budget Invoiced Revenue YTD Index	Budget Invoiced Revenue YTD / Budget Invoiced Revenue Last YTD
Budget Out Of Pocket Cost YTD Index	Budget Out Of Pocket Cost YTD / Budget Out Of Pocket Cost Last YTD
Budget Payroll Allocation YTD Index	Budget Payroll Allocation YTD / Budget Payroll Allocation Last YTD
Budget Revenue YTD Index	Budget Revenue YTD / Budget Revenue Last YTD
Budget Transaction Amount YTD Index	Budget Transaction Amount YTD / Budget Transaction Amount Last YTD
Budget Transaction Qty YTD Index	Budget Transaction Qty YTD / Budget Transaction Qty Last YTD
Budget WIP Cost YTD Index	Budget WIP Cost YTD / Budget WIP Cost Last YTD
Budget WIP Invoiced On Account YTD Index	Budget WIP Invoiced On Account YTD / Budget WIP Invoiced On Account Last YTD
Budget WIP Sales YTD Index	Budget WIP Sales YTD / Budget WIP Sales Last YTD
Hours Quantity - Project Budget YTD Index	Hours Quantity - Project Budget YTD / Hours Quantity - Project Budget Last YTD
Item Quantity - Project Budget YTD Index	Item Quantity - Project Budget YTD / Item Quantity - Project Budget Last YTD
Budget Cost Transaction Type YTD Index	Budget Cost Transaction Type YTD / Budget Cost Transaction Type Last YTD
Actual Accrued Loss Rolling	Moving Annual Total of Actual Accrued Loss
Actual Accrued Revenue Rolling	Moving Annual Total of Actual Accrued Revenue
Actual Cash Inflow Rolling	Moving Annual Total of Actual Cash Inflow
Actual Cash Outflow Rolling	Moving Annual Total of Actual Cash Outflow
Actual Consumption Cost Rolling	Moving Annual Total of Actual Consumption Cost

Actual Consumption Cost Expense Rolling	Moving Annual Total of Actual Consumption Cost Expense
Actual Consumption Cost Hours Rolling	Moving Annual Total of Actual Consumption Cost Hours
Actual Consumption Cost Item Rolling	Moving Annual Total of Actual Consumption Cost Item
Actual Cost Rolling	Moving Annual Total of Actual Cost
Actual Cost Expense Rolling	Moving Annual Total of Actual Cost Expense
Actual Cost Hour Rolling	Moving Annual Total of Actual Cost Hour
Actual Cost Item Rolling	Moving Annual Total of Actual Cost Item
Actual Cost Sales Rolling	Moving Annual Total of Actual Cost Sales
Actual Cost Transaction Type Rolling	Moving Annual Total of Actual Cost Transaction Type
Actual Gross Margin Rolling	Moving Annual Total of Actual Gross Margin
Actual Hours Rolling	Moving Annual Total of Actual Hours
Actual Hours Cost Rolling	Moving Annual Total of Actual Hours Cost
Actual Invoiced On Account Rolling	Moving Annual Total of Actual Invoiced On Account
Actual Invoiced Revenue Rolling	Moving Annual Total of Actual Invoiced Revenue
Actual Out Of Pocket Cost Rolling	Moving Annual Total of Actual Out Of Pocket Cost
Actual Payroll Allocation Rolling	Moving Annual Total of Actual Payroll Allocation
Actual Revenue Rolling	Moving Annual Total of Actual Revenue
Actual Transaction Qty Rolling	Moving Annual Total of Actual Transaction Qty
Actual Transaction Amount Rolling	Moving Annual Total of Actual Transaction Amount
Actual WIP Cost Rolling	Moving Annual Total of Actual WIP Cost
Actual WIP Invoiced On Account Rolling	Moving Annual Total of Actual WIP Invoiced On Account
Actual WIP Sales Rolling	Moving Annual Total of Actual WIP Sales
Hours Quantity Rolling	Moving Annual Total of Hours Quantity
Item Quantity Rolling	Moving Annual Total of Item Quantity
Budget Accrued Loss Rolling	Moving Annual Total of Budget Accrued Loss
Budget Accrued Revenue Rolling	Moving Annual Total of Budget Accrued Revenue
Budget Cash Inflow Rolling	Moving Annual Total of Budget Cash Inflow
Budget Cash Outflow Rolling	Moving Annual Total of Budget Cash Outflow
Budget Consumption Cost Rolling	Moving Annual Total of Budget Consumption Cost
Budget Consumption Cost Expense Rolling	Moving Annual Total of Budget Consumption Cost Expense
Budget Consumption Cost Hours Rolling	Moving Annual Total of Budget Consumption Cost Hours

Budget Consumption Cost Item Rolling	Moving Annual Total of Budget Consumption Cost Item
Budget Cost Rolling	Moving Annual Total of Budget Cost
Budget Cost Expense Rolling	Moving Annual Total of Budget Cost Expense
Budget Cost Hour Rolling	Moving Annual Total of Budget Cost Hour
Budget Cost Item Rolling	Moving Annual Total of Budget Cost Item
Budget Cost Sales Rolling	Moving Annual Total of Budget Cost Sales
Budget Gross Margin Rolling	Moving Annual Total of Budget Gross Margin
Budget Hours Rolling	Moving Annual Total of Budget Hours
Budget Invoiced On Account Rolling	Moving Annual Total of Budget Invoiced On Account
Budget Invoiced Revenue Rolling	Moving Annual Total of Budget Invoiced Revenue
Budget Out Of Pocket Cost Rolling	Moving Annual Total of Budget Out Of Pocket Cost
Budget Payroll Allocation Rolling	Moving Annual Total of Budget Payroll Allocation
Budget Revenue Rolling	Moving Annual Total of Budget Revenue
Budget Transaction Amount Rolling	Moving Annual Total of Budget Transaction Amount
Budget Transaction Qty Rolling	Moving Annual Total of Budget Transaction Qty
Budget WIP Cost Rolling	Moving Annual Total of Budget WIP Cost
Budget WIP Invoiced On Account Rolling	Moving Annual Total of Budget WIP Invoiced On Account
Budget WIP Sales Rolling	Moving Annual Total of Budget WIP Sales
Hours Quantity - Project Budget Rolling	Moving Annual Total of Hours Quantity - Project Budget
Item Quantity - Project Budget Rolling	Moving Annual Total of Item Quantity - Project Budget
Budget Cost Transaction Type Rolling	Moving Annual Total of Budget Cost Transaction Type
Actual Accrued Loss Last Year	Previous Year Actual Accrued Loss
Actual Accrued Revenue Last Year	Previous Year Actual Accrued Revenue
Actual Cash Inflow Last Year	Previous Year Actual Cash Inflow
Actual Cash Outflow Last Year	Previous Year Actual Cash Outflow
Actual Consumption Cost Last Year	Previous Year Actual Consumption Cost
Actual Consumption Cost Expense Last Year	Previous Year Actual Consumption Cost Expense
Actual Consumption Cost Hours Last Year	Previous Year Actual Consumption Cost Hours
Actual Consumption Cost Item Last Year	Previous Year Actual Consumption Cost Item

Actual Cost Last Year	Previous Year Actual Cost
Actual Cost Expense Last Year	Previous Year Actual Cost Expense
Actual Cost Hour Last Year	Previous Year Actual Cost Hour
Actual Cost Item Last Year	Previous Year Actual Cost Item
Actual Cost Sales Last Year	Previous Year Actual Cost Sales
Actual Cost Transaction Type Last Year	Previous Year Actual Cost Transaction Type
Actual Gross Margin Last Year	Previous Year Actual Gross Margin
Actual Hours Last Year	Previous Year Actual Hours
Actual Hours Cost Last Year	Previous Year Actual Hours Cost
Actual Invoiced On Account Last Year	Previous Year Actual Invoiced On Account
Actual Invoiced Revenue Last Year	Previous Year Actual Invoiced Revenue
Actual Out Of Pocket Cost Last Year	Previous Year Actual Out Of Pocket Cost
Actual Payroll Allocation Last Year	Previous Year Actual Payroll Allocation
Actual Revenue Last Year	Previous Year Actual Revenue
Actual Transaction Qty Last Year	Previous Year Actual Transaction Qty
Actual Transaction Amount Last Year	Previous Year Actual Transaction Amount
Actual WIP Cost Last Year	Previous Year Actual WIP Cost
Actual WIP Invoiced On Account Last Year	Previous Year Actual WIP Invoiced On Account
Actual WIP Sales Last Year	Previous Year Actual WIP Sales
Hours Quantity Last Year	Previous Year Hours Quantity
Item Quantity Last Year	Previous Year Item Quantity
Budget Accrued Loss Last Year	Previous Year Budget Accrued Loss
Budget Accrued Revenue Last Year	Previous Year Budget Accrued Revenue
Budget Cash Inflow Last Year	Previous Year Budget Cash Inflow
Budget Cash Outflow Last Year	Previous Year Budget Cash Outflow
Budget Consumption Cost Last Year	Previous Year Budget Consumption Cost
Budget Consumption Cost Expense Last Year	Previous Year Budget Consumption Cost Expense
Budget Consumption Cost Hours Last Year	Previous Year Budget Consumption Cost Hours
Budget Consumption Cost Item Last Year	Previous Year Budget Consumption Cost Item
Budget Cost Last Year	Previous Year Budget Cost

Budget Cost Expense Last Year	Previous Year Budget Cost Expense
Budget Cost Hour Last Year	Previous Year Budget Cost Hour
Budget Cost Item Last Year	Previous Year Budget Cost Item
Budget Cost Sales Last Year	Previous Year Budget Cost Sales
Budget Gross Margin Last Year	Previous Year Budget Gross Margin
Budget Hours Last Year	Previous Year Budget Hours
Budget Invoiced On Account Last Year	Previous Year Budget Invoiced On Account
Budget Invoiced Revenue Last Year	Previous Year Budget Invoiced Revenue
Budget Out Of Pocket Cost Last Year	Previous Year Budget Out Of Pocket Cost
Budget Payroll Allocation Last Year	Previous Year Budget Payroll Allocation
Budget Revenue Last Year	Previous Year Budget Revenue
Budget Transaction Amount Last Year	Previous Year Budget Transaction Amount
Budget Transaction Qty Last Year	Previous Year Budget Transaction Qty
Budget WIP Cost Last Year	Previous Year Budget WIP Cost
Budget WIP Invoiced On Account Last Year	Previous Year Budget WIP Invoiced On Account
Budget WIP Sales Last Year	Previous Year Budget WIP Sales
Hours Quantity - Project Budget Last Year	Previous Year Hours Quantity - Project Budget
Item Quantity - Project Budget Last Year	Previous Year Item Quantity - Project Budget
Budget Cost Transaction Type Last Year	Previous Year Budget Cost Transaction Type
Actual Accrued Loss Last Year Index	Actual Accrued Loss / Actual Accrued Loss Last Year
Actual Accrued Revenue Last Year Index	Actual Accrued Revenue / Actual Accrued Revenue Last Year
Actual Cash Inflow Last Year Index	Actual Cash Inflow / Actual Cash Inflow Last Year
Actual Cash Outflow Last Year Index	Actual Cash Outflow / Actual Cash Outflow Last Year
Actual Consumption Cost Last Year Index	Actual Consumption Cost / Actual Consumption Cost Last Year
Actual Consumption Cost Expense Last Year Index	Actual Consumption Cost Expense / Actual Consumption Cost Expense Last Year
Actual Consumption Cost Hours Last Year Index	Actual Consumption Cost Hours / Actual Consumption Cost Hours Last Year
Actual Consumption Cost Item Last Year Index	Actual Consumption Cost Item / Actual Consumption Cost Item Last Year

Actual Cost Last Year Index	Actual Cost / Actual Cost Last Year
Actual Cost Expense Last Year Index	Actual Cost Expense / Actual Cost Expense Last Year
Actual Cost Hour Last Year Index	Actual Cost Hour / Actual Cost Hour Last Year
Actual Cost Item Last Year Index	Actual Cost Item / Actual Cost Item Last Year
Actual Cost Sales Last Year Index	Actual Cost Sales / Actual Cost Sales Last Year
Actual Cost Transaction Type Last Year Index	Actual Cost Transaction Type / Actual Cost Transaction Type Last Year
Actual Gross Margin Last Year Index	Actual Gross Margin / Actual Gross Margin Last Year
Actual Hours Last Year Index	Actual Hours / Actual Hours Last Year
Actual Hours Cost Last Year Index	Actual Hours Cost / Actual Hours Cost Last Year
Actual Invoiced On Account Last Year Index	Actual Invoiced On Account / Actual Invoiced On Account Last Year
Actual Invoiced Revenue Last Year Index	Actual Invoiced Revenue / Actual Invoiced Revenue Last Year
Actual Out Of Pocket Cost Last Year Index	Actual Out Of Pocket Cost / Actual Out Of Pocket Cost Last Year
Actual Payroll Allocation Last Year Index	Actual Payroll Allocation / Actual Payroll Allocation Last Year
Actual Revenue Last Year Index	Actual Revenue / Actual Revenue Last Year
Actual Transaction Qty Last Year Index	Actual Transaction Qty / Actual Transaction Qty Last Year
Actual Transaction Amount Last Year Index	Actual Transaction Amount / Actual Transaction Amount Last Year
Actual WIP Cost Last Year Index	Actual WIP Cost / Actual WIP Cost Last Year
Actual WIP Invoiced On Account Last Year Index	Actual WIP Invoiced On Account / Actual WIP Invoiced On Account Last Year
Actual WIP Sales Last Year Index	Actual WIP Sales / Actual WIP Sales Last Year
Hours Quantity Last Year Index	Hours Quantity / Hours Quantity Last Year
Item Quantity Last Year Index	Item Quantity / Item Quantity Last Year
Budget Accrued Loss Last Year Index	Budget Accrued Loss / Budget Accrued Loss Last Year
Budget Accrued Revenue Last Year Index	Budget Accrued Revenue / Budget Accrued Revenue Last Year
Budget Cash Inflow Last Year Index	Budget Cash Inflow / Budget Cash Inflow Last Year
Budget Cash Outflow Last Year Index	Budget Cash Outflow / Budget Cash Outflow Last Year
Budget Consumption Cost Last Year Index	Budget Consumption Cost / Budget Consumption Cost Last Year
Budget Consumption Cost Expense Last Year Index	Budget Consumption Cost Expense / Budget Consumption Cost Expense Last Year

Budget Consumption Cost Hours Last Year Index	Budget Consumption Cost Hours / Budget Consumption Cost Hours Last Year
Budget Consumption Cost Item Last Year Index	Budget Consumption Cost Item / Budget Consumption Cost Item Last Year
Budget Cost Last Year Index	Budget Cost / Budget Cost Last Year
Budget Cost Expense Last Year Index	Budget Cost Expense / Budget Cost Expense Last Year
Budget Cost Hour Last Year Index	Budget Cost Hour / Budget Cost Hour Last Year
Budget Cost Item Last Year Index	Budget Cost Item / Budget Cost Item Last Year
Budget Cost Sales Last Year Index	Budget Cost Sales / Budget Cost Sales Last Year
Budget Gross Margin Last Year Index	Budget Gross Margin / Budget Gross Margin Last Year
Budget Hours Last Year Index	Budget Hours / Budget Hours Last Year
Budget Invoiced On Account Last Year Index	Budget Invoiced On Account / Budget Invoiced On Account Last Year
Budget Invoiced Revenue Last Year Index	Budget Invoiced Revenue / Budget Invoiced Revenue Last Year
Budget Out Of Pocket Cost Last Year Index	Budget Out Of Pocket Cost / Budget Out Of Pocket Cost Last Year
Budget Payroll Allocation Last Year Index	Budget Payroll Allocation / Budget Payroll Allocation Last Year
Budget Revenue Last Year Index	Budget Revenue / Budget Revenue Last Year
Budget Transaction Amount Last Year Index	Budget Transaction Amount / Budget Transaction Amount Last Year
Budget Transaction Qty Last Year Index	Budget Transaction Qty / Budget Transaction Qty Last Year
Budget WIP Cost Last Year Index	Budget WIP Cost / Budget WIP Cost Last Year
Budget WIP Invoiced On Account Last Year Index	Budget WIP Invoiced On Account / Budget WIP Invoiced On Account Last Year
Budget WIP Sales Last Year Index	Budget WIP Sales / Budget WIP Sales Last Year
Hours Quantity - Project Budget Last Year Index	Hours Quantity - Project Budget / Hours Quantity - Project Budget Last Year
Item Quantity - Project Budget Last Year Index	Item Quantity - Project Budget / Item Quantity - Project Budget Last Year
Budget Cost Transaction Type Last Year Index	Budget Cost Transaction Type / Budget Cost Transaction Type Last Year
Remaining Accrued Loss	Budget Accrued Loss - Actual Accrued Loss (Variance)
Remaining Accrued Revenue	Budget Accrued Revenue - Actual Accrued Revenue (Variance)
Remaining Cash Inflow	Budget Cash Inflow - Actual Cash Inflow (Variance)
Remaining Cash Outflow	Budget Cash Outflow - Actual Cash Outflow (Variance)
Remaining Consumption Cost	Budget Consumption Cost - Actual Consumption Cost (Variance)

Remaining Consumption Cost Expense	Budget Consumption Cost Expense - Actual Consumption Cost Expense (Variance)
Remaining Consumption Cost Hours	Budget Consumption Cost Hours - Actual Consumption Cost Hours (Variance)
Remaining Consumption Cost Item	Budget Consumption Cost Item - Actual Consumption Cost Item (Variance)
Remaining Cost	Budget Cost - Actual Cost (Variance)
Remaining Cost Expense	Budget Cost Expense - Actual Cost Expense (Variance)
Remaining Cost Hour	Budget Cost Hour - Actual Cost Hour (Variance)
Remaining Cost Item	Budget Cost Item - Actual Cost Item (Variance)
Remaining Cost Sales	Budget Cost Sales - Actual Cost Sales (Variance)
Remaining Cost Transaction Type	Budget Cost Transaction Type - Actual Cost Transaction Type (Variance)
Remaining Gross Margin	Budget Gross Margin - Actual Gross Margin (Variance)
Remaining Hours	Budget Hours - Actual Hours (Variance)
Remaining Hours Cost	Budget Hours Cost - Actual Hours Cost (Variance)
Remaining Invoiced On Account	Budget Invoiced On Account - Actual Invoiced On Account (Variance)
Remaining Invoiced Revenue	Budget Invoiced Revenue - Actual Invoiced Revenue (Variance)
Remaining Out Of Pocket Cost	Budget Out Of Pocket Cost - Actual Out Of Pocket Cost (Variance)
Remaining Payroll Allocation	Budget Payroll Allocation - Actual Payroll Allocation (Variance)
Remaining Revenue	Budget Revenue - Actual Revenue (Variance)
Remaining Transaction Qty	Budget Transaction Qty - Actual Transaction Qty (Variance)
Remaining Transaction Amount	Budget Transaction Amount - Actual Transaction Amount (Variance)
Remaining WIP Cost	Budget WIP Cost - Actual WIP Cost (Variance)
Remaining WIP Invoiced On Account	Budget WIP Invoiced On Account - Actual WIP Invoiced On Account (Variance)
Remaining WIP Sales	Budget WIP Sales - Actual WIP Sales (Variance)
Remaining Hours Quantity	Hours Quantity (Project Budget) - Hours Quantity (Variance)
Remaining Item Quantity	Item Quantity (Project Budget) - Item Quantity (Variance)
Remaining Accrued Loss Index	(Budget Accrued Loss / Actual Accrued Loss) / Budget Accrued Loss
Remaining Accrued Revenue Index	(Budget Accrued Revenue / Actual Accrued Revenue) / Budget Accrued Revenue
Remaining Cash Inflow Index	(Budget Cash Inflow / Actual Cash Inflow) / Budget Cash Inflow
Remaining Cash Outflow Index	(Budget Cash Outflow / Actual Cash Outflow) / Budget Cash Outflow
Remaining Consumption Cost Index	(Budget Consumption Cost / Actual Consumption Cost) / Budget Consumption Cost
Remaining Consumption Cost Expense Index	(Budget Consumption Cost Expense / Actual Consumption Cost Expense) / Budget Consumption Cost Expense
Remaining Consumption Cost Hours Index	(Budget Consumption Cost Hours / Actual Consumption Cost Hours) / Budget Consumption Cost Hours
Remaining Consumption Cost Item Index	(Budget Consumption Cost Item / Actual Consumption Cost Item) / Budget Consumption Cost Item

Remaining Cost Index	(Budget Cost / Actual Cost) / Budget Cost
Remaining Cost Expense Index	(Budget Cost Expense / Actual Cost Expense) / Budget Cost Expense
Remaining Cost Hour Index	(Budget Cost Hour / Actual Cost Hour) / Budget Cost Hour
Remaining Cost Item Index	(Budget Cost Item / Actual Cost Item) / Budget Cost Item
Remaining Cost Sales Index	(Budget Cost Sales / Actual Cost Sales) / Budget Cost Sales
Remaining Cost Transaction Type Index	(Budget Cost Transaction Type / Actual Cost Transaction Type) / Budget Cost Transaction Type
Remaining Gross Margin Index	(Budget Gross Margin / Actual Gross Margin) / Budget Gross Margin
Remaining Hours Index	(Budget Hours / Actual Hours) / Budget Hours
Remaining Hours Cost Index	(Budget Hours Cost / Actual Hours Cost) / Budget Hours Cost
Remaining Invoiced On Account Index	(Budget Invoiced On Account / Actual Invoiced On Account) / Budget Invoiced On Account
Remaining Invoiced Revenue Index	(Budget Invoiced Revenue / Actual Invoiced Revenue) / Budget Invoiced Revenue
Remaining Out Of Pocket Cost Index	(Budget Out Of Pocket Cost / Actual Out Of Pocket Cost) / Budget Out Of Pocket Cost
Remaining Payroll Allocation Index	(Budget Payroll Allocation / Actual Payroll Allocation) / Budget Payroll Allocation
Remaining Revenue Index	(Budget Revenue / Actual Revenue) / Budget Revenue
Remaining Transaction Qty Index	(Budget Transaction Qty / Actual Transaction Qty) / Budget Transaction Qty
Remaining Transaction Amount Index	(Budget Transaction Amount / Actual Transaction Amount) / Budget Transaction Amount
Remaining WIP Cost Index	(Budget WIP Cost / Actual WIP Cost) / Budget WIP Cost
Remaining WIP Invoiced On Account Index	(Budget WIP Invoiced On Account / Actual WIP Invoiced On Account) / Budget WIP Invoiced On Account
Remaining WIP Sales Index	(Budget WIP Sales / Actual WIP Sales) / Budget WIP Sales
Remaining Hours Quantity Index	(Hours Quantity (Project Budget) - Hours Quantity) / Hours Quantity (Project Budget)
Remaining Item Quantity Index	(Item Quantity (Project Budget) - Item Quantity) / Item Quantity (Project Budget)

2.7 Purchase Analysis

Complete purchase analysis (item, GL, fixed asset) over multiple measures with rich dimension attributes and multi company support.

Extending functionality of MS Dynamics AX

Main advantages:

- Possibility to analyze vendors by Pay-to > Buy-from > Ship-to that is very hard to do in MS Dynamics AX (because some information is on ledger entries and some on posted documents)
- Analyze specific posting trough source and reason code

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Purchase Delivery	Purchase Forecast	Purchase Invoice	Purchase Orders
Multi-Measure Tool	X		X	
Charges			X	
Company	X	X	X	X
Confirmed Delivery Date	X		X	X
Confirmed Shipping Date	X		X	X
Date	X	X	X	X
Delivery Date	X		X	X
Dim Global Financial Dimension 3	X	X	X	X
Dim Global Financial Dimension 4	X	X	X	X
Document Purchase			X	
Financial Dimension 1 - 15	X	X	X	X
Forecast Model		X		
Forecast End Date		X		
General Type				X
Inventory Batch			X	
Inventory Dimensions			X	
Inventory Serial			X	
Inventory Size			X	
Item	X	X	X	X
Item Buyer Group			X	
Location	X	X	X	X
Procurement Category	X		X	X
Requested Shipping Date	X		X	X

Vendor	X	X	X	X
Unit of Measure			X	X
Measures		Amount Variance Forecast Amount Forecast Amount / Purchase Amount Index Forecast Amount Last Forecast Amount Variance Forecast Discount Pct Forecast Discount Amount Forecast Invent Qty Forecast Price Unit Forecast Purchase Price Forecast Purchase Qty Forecast Purchase Qty Last Forecast Purchase Qty Variance Amount Variance ACY Forecast Amount / Purchase Amount ACY Index Forecast Amount / Purchase Amount ACY YTD Index Forecast Amount ACY Forecast Amount Last ACY Forecast Amount Variance ACY Forecast Discount Amount ACY Forecast Price Unit ACY Forecast Purchase Price ACY Forecast Amount Posted Forecast Discount Amount Posted Forecast Price Unit Posted Amount Variance ACY YTD	Purchase price, Cost amount, Discount amount, Invoiced quantity, Misc charges, Purchase amount, Shipped quantity, Charges	

		Amount Variance YTD Forecast Amount / Purchase Amount YTD index Forecast Amount ACY YTD Forecast Amount ACY YTD Index Forecast Amount ACY YTD Last Forecast Amount ACY YTD Variance Forecast Amount ACY YTD Variance % Forecast Amount Posted YTD Forecast Amount Posted YTD Index Forecast Amount Posted YTD Last Forecast Amount Posted YTD Variance Forecast Amount Posted YTD Variance % Forecast Amount YTD Forecast Amount YTD Index Forecast Amount YTD Last Forecast Amount YTD Variance Forecast Amount YTD Variance % Forecast Purchase Qty YTD Forecast Purchase Qty YTD Index Forecast Purchase Qty YTD Last Forecast Purchase Qty YTD Variance Forecast Purchase Qty YTD Variance % Forecast Purchase Price Posted		

Note:
Measure group Purchase Invoice Distinct and Purchase Orders Distinct are used for document count. Measures, calculated here are shown in Purchase Invoice and in Purchase Orders measure group.

Dimensions in cube

2.7.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Purchase invoice measure group	Posting Date is connected with invoice date from vendor invoice transaction table.

Measure Groups

2.7.1.2 Purchase Delivery

Name	Description
Amount Late Confirmed Delivery Date	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedDeliveryDateBase]
Amount Late Confirmed Delivery Date ACY	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedDeliveryDateACY]
Amount Late Confirmed Delivery Date Posted	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedDeliveryDatePosted]
Amount Late Confirmed Shipping Date	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedShippingDateBase]
Amount Late Confirmed Shipping Date ACY	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedShippingDateACY]
Amount Late Confirmed Shipping Date Posted	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateConfirmedShippingDatePosted]
Amount Late Requested Shipping Date	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateRequestedShippingDateBase]
Amount Late Requested Shipping Date ACY	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateRequestedShippingDateACY]
Amount Late Requested Shipping Date Posted	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountLateRequestedShippingDatePosted]
Amount Received	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountReceivedBase]
Amount Received ACY	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountReceivedACY]
Amount Received Posted	[VENDPACKINGSLIPTRANS].[VALUEMST] -> [PurchaseDelivery].[AmountReceivedPosted]
Average Days Late Confirmed Delivery Date	(Number of days difference between Confirmed Delivery Date and Actual Delivery Date multiplied by Amount Late Confirmed Delivery Date) / Amount Late - Confirmed Delivery Date
Average Days Late Confirmed Shipping Date	(Number of days difference between Confirmed Shipping Date and Actual Delivery Date multiplied by Amount Late Confirmed Shipping Date) / Amount Late - Confirmed Shipping Date
Average Days Late Requested Shipping Date	(Number of days difference between Requested Shipping Date and Actual Delivery Date multiplied by Amount Late Requested Shipping Date) / Amount Late - Requested Shipping Date
Late Line Confirmed Delivery Date	[VENDPACKINGSLIPTRANS, PURCHLINE].[CONFIRMEDDLV, DELIVERYDATE] -> [PurchaseDelivery].[LateLineConfirmedDeliveryDate]

Late Line Confirmed Shipping Date	[VENDPACKINGSLIPTRANS, PURCHLINE].[SHIPPINGDATECONFIRMED, DELIVERYDATE] -> [PurchaseDelivery].[LateLineConfirmedShippingDate]
Late Line Requested Shipping Date	[VENDPACKINGSLIPTRANS, PURCHLINE].[SHIPPINGDATEREQUESTED, DELIVERYDATE] -> [PurchaseDelivery].[LateLineRequestedShippingDate]
Packingslip Ordered	[VENDPACKINGSLIPTRANS].[ORDERED] -> [PurchaseDelivery].[PackingslipOrdered]
Packingslip Quantity	[VENDPACKINGSLIPTRANS].[QTY] -> [PurchaseDelivery].[PackingslipQuantity]
Packingslip Remain	[VENDPACKINGSLIPTRANS].[REMAIN] -> [PurchaseDelivery].[PackingslipRemain]
Average Qty Late Confirmed Delivery Date	(When Actual Delivery date > Confirmed Delivery Date then Quantity multiplied by Amount Late Confirmed Delivery Date else 0) / Amount Late - Confirmed Delivery Date
Average Qty Late Confirmed Shipping Date	(When Actual Delivery date > Confirmed Shipping Date then Quantity multiplied by Amount Late Confirmed Shipping Date else 0) / Amount Late - Confirmed Shipping Date
Average Qty Late Requested Shipping Date	(When Actual Delivery date > Requested Shipping Date then Quantity multiplied by Amount Late Requested Shipping Date else 0) / Amount Late - Requested Shipping Date
Quantity Received	[VENDPACKINGSLIPTRANS].[QTY] -> [PurchaseDelivery].[QuantityReceived]

2.7.1.3 Purchase Forecast

Name	Description
Forecast Amount	[FORECASTPURCH].[AMOUNT] -> [PurchaseForecast].[ForecastAmountBase]
Forecast Amount Posted	[FORECASTPURCH].[AMOUNT] -> [PurchaseForecast].[FORECASTPURCH_Amount]
Forecast Discount Amount	[FORECASTPURCH].[DISCAMOUNT] -> [PurchaseForecast].[ForecastDiscountAmountBase]
Forecast Discount Amount Posted	[FORECASTPURCH].[DISCAMOUNT] -> [PurchaseForecast].[DiscountAmountPosted]
Forecast Discount Pct	[FORECASTPURCH].[DISCPERCENT] -> [PurchaseForecast].[FORECASTPURCH_DiscPercent]
Forecast Invent Qty	[FORECASTPURCH].[INVENTQTY] -> [PurchaseForecast].[FORECASTPURCH_InventQty]
Forecast Price Unit	[FORECASTPURCH].[PRICEUNIT] -> [PurchaseForecast].[ForecastPriceUnitBase]
Forecast Price Unit Posted	[FORECASTPURCH].[PRICEUNIT] -> [PurchaseForecast].[FORECASTPURCH_PriceUnit]
Forecast Purchase Price	[FORECASTPURCH].[SALESPRICE] -> [PurchaseForecast].[ForecastPurchasePriceBase]
Forecast Purchase Price Posted	[FORECASTPURCH].[SALESPRICE] -> [PurchaseForecast].[PurchasePricePosted]
Forecast Purchase Qty	[FORECASTPURCH].[PURCHQTY] -> [PurchaseForecast].[FORECASTPURCH_PurchQty]
Purchase Forecast Count	Row count in Purchase Forcast
ACY measures	
Forecast Amount ACY	[FORECASTPURCH].[AMOUNT] -> [PurchaseForecast].[ForecastAmountACY]

Forecast Discount Amount ACY	[FORECASTPURCH].[DISCAMOUNT] -> [PurchaseForecast].[ForecastDiscountAmountACY]
Forecast Price Unit ACY	[FORECASTPURCH].[PRICEUNIT] -> [PurchaseForecast].[ForecastPriceUnitACY]
Forecast Purchase Price ACY	[FORECASTPURCH].[SALESPRICE] -> [PurchaseForecast].[ForecastPurchasePriceACY]

2.7.1.4 Purchase Invoice

Name	Description
Cost Amount	Cost of purchased goods. (AX 2009 and lower: Cost amount posted from vendor invoice transaction table. AX 2012: Sum of cost amount posted from inventory transaction table.) [INVENTTRANS].[COSTAMOUNTPOSTED] -> [PurchaseInvoice].[CostAmountBase]
Cost Amount Posted	[INVENTTRANS].[COSTAMOUNTPOSTED] -> [PurchaseInvoice].[CostAmountPosted]
Discount Amount	Discount we got on purchased goods. (Line discount from vendor invoice transaction table.) [VENDINVOICETRANS].[DISCAMOUNT] -> [PurchaseInvoice].[DiscountAmountBase]
Discount Amount Posted	[VENDINVOICETRANS].[DISCAMOUNT] -> [PurchaseInvoice].[DiscountAmountPosted]
Invoiced Quantity	Invoiced quantity of purchased goods in inventory unit. (Quantity from vendor invoice transaction table.) [VENDINVOICETRANS].[INVENTQTY] -> [PurchaseInvoice].[InvoicedQuantity]
Invoiced Quantity UM	Invoiced quantity of purchased goods in purchase units. (Quantity from vendor invoice transaction table.) [VENDINVOICETRANS].[QTY] -> [PurchaseInvoice].[InvoicedQuantity]
Line Discount Amount	[VENDINVOICETRANS].[LINEDISC] -> [PurchaseInvoice].[LineDiscountAmountBase]
Line Discount Amount Posted	[VENDINVOICETRANS].[LINEDISC] -> [PurchaseInvoice].[LineDiscountAmountPosted]
Misc Charges	Additional charges on purchased goods. (Sum markup from vendor invoice journal table.) [VENDINVOICEJOUR].[SUMMARKUP] -> [PurchaseInvoice].[MiscChargesBase]
Misc Charges Posted	[VENDINVOICEJOUR].[SUMMARKUP] -> [PurchaseInvoice].[MiscChargesPosted]
Charges Value	Additional charges on purchased goods. (Sum markup from markuptrans table.) [MARKUPTRANS].[VALUE] -> [PurchaseInvoice].[ChargesValueBase]
Charges Value Posted	[MARKUPTRANS].[VALUE] -> [PurchaseInvoice].[ChargesValuePosted]
Purchase Amount	Purchase amount for purchased goods. (Sum of line amount mst, in company currency from vendor invoice transaction table.) [VENDINVOICETRANS].[LINEAMOUNT] -> [PurchaseInvoice].[PurchaseAmountBase]

Purchase Amount Posted	[VENDINVOICETRANS].[LINEAMOUNT] -> [PurchaseInvoice].[PurchaseAmountPosted]
Shipped Quantity	Purchased quantity we have received. (AX 2009 and lower: Physical quantity from vendor invoice transaction table. AX 2012: Sum of quantity from inventory transaction table.) [INVENTTRANS].[QTY] -> [PurchaseInvoice].[ShippedQuantity]
Days Since Last Sale	Difference in days from last process date and last transactions.
Last Purchase Date	Date of last transaction.
ACY measures	
Cost Amount ACY	[INVENTTRANS].[COSTAMOUNTPOSTED] -> [PurchaseInvoice].[CostAmountACY]
Discount Amount ACY	[VENDINVOICETRANS].[DISCAMOUNT,ENDDISC] -> [PurchaseInvoice].[DiscountAmountACY]
Line Discount Amount ACY	[VENDINVOICETRANS].[LINEDISC] -> [PurchaseInvoice].[LineDiscountAmountACY]
Misc Charges ACY	[VENDINVOICEJOUR].[SUMMARKUP] -> [PurchaseInvoice].[MiscChargesACY]
Charges Value ACY	[MARKUPTRANS].[VALUE] -> [PurchaseInvoice].[ChargesValueACY]
Purchase Amount ACY	[VENDINVOICETRANS].[LINEAMOUNT] -> [PurchaseInvoice].[PurchaseAmountACY]

2.7.1.5 Purchase Orders

Name	Description
Amount Ordered	[PURCHLINE].[LINEAMOUNT] -> [PurchaseLine].[AmountOrderedBase]
Amount Ordered Posted	[PURCHLINE].[LINEAMOUNT] -> [PurchaseLine].[AmountOrderedPosted]
Purchase lines Early	[PURCHLINE].[DELIVERYDATE, SHIPPINGDATEREQUESTED] -> [PurchaseLine].[OrderLineEarly]
Purchase lines Late	[PURCHLINE].[DELIVERYDATE, SHIPPINGDATEREQUESTED] -> [PurchaseLine].[OrderLineLate]
Purchase lines On Time	[PURCHLINE].[DELIVERYDATE, SHIPPINGDATEREQUESTED] -> [PurchaseLine].[OrderLineOnTime]
Purchase Price (Line)	[PURCHLINE].[PURCHPRICE] -> [PurchaseLine].[PurchasePriceBase]
Purchase Price Posted	[PURCHLINE].[PURCHPRICE] -> [PurchaseLine].[PurchasePricePosted]
Purchase Price Unit (Line)	[PURCHLINE].[PRICEUNIT] -> [PurchaseLine].[PurchasePriceUnitBase]
Purchase Price Unit Posted	[PURCHLINE].[PRICEUNIT] -> [PurchaseLine].[PurchasePriceUnitPosted]
Purchase Order Ordered Quantity	[PURCHLINE].[QTYORDERED] -> [PurchaseLine].[QuantityOrdered]
Purchase Order Ordered Quantity UM	[PURCHLINE].[PURCHQTY] -> [PurchaseLine].[QuantityOrdered]
Purchase Order Received Quantity	SUM [VENDPACKINGSLIPTRANS].[INVENTQTY] -> [PurchaseLine].[QuantityReceived]
Purchase Order Received Quantity UM	SUM [VENDPACKINGSLIPTRANS].[QTY] -> [PurchaseLine].[QuantityReceived]
Purchase Order Inventory Registered Quantity	If INVENTTRANS.STATUSRECEIPT = Registered (3) [INVENTTRANS].[QTY] -> [PurchaseLine].[Registered]
Purchase Order Inventory Arrived Quantity	If INVENTTRANS.STATUSRECEIPT = Arrived (4) [INVENTTRANS].[QTY] -> [PurchaseLine].[Arrived]

Purchase Order Inventory Ordered Quantity	If INVENTTRANS.STATUSRECEIPT = Ordered (5) [INVENTTRANS].[QTY] -> [PurchaseLine].[Ordered]
Purchase Order Pending Quantity	[VENDINVOICEINFOLINE].[RECEIVENOW] -> [PurchaseLine].[PendingQtyPurch]
No of lines NotFulFilled*	If [VENDPACKINGSLIPJOUR].[QUANTITYRECEIVED] = 0 then [PurchaseLine].[NoOrderLineNotFulFilled] = 1 else 0
No of lines Received in Full*	If ([PURCHLINE].[QTYORDERED]=[VENDPACKINGSLIPJOUR].[QUANTITYRECEIVED] or [PURCHLINE].[QTYORDERED]<[VENDPACKINGSLIPJOUR].[QUANTITYRECEIVED]) and [PURCHLINE].[QTYORDERED]<>0 then [PurchaseLine].[NoOrderLineFull] = 1 else 0
No of lines Received Partially*	If [PURCHLINE].[QTYORDERED]>[VENDPACKINGSLIPJOUR].[QUANTITYRECEIVED] and [VENDPACKINGSLIPJOUR].[QUANTITYRECEIVED] <>0 then [PurchaseLine].[NoOrderLinePart] = 1 else 0
ACY measures	
Amount Ordered ACY	[PURCHLINE].[LINEAMOUNT] -> [PurchaseLine].[AmountOrderedACY]
Purchase Price ACY	[PURCHLINE].[PURCHPRICE] -> [PurchaseLine].[PurchasePriceACY]
Purchase Price Unit ACY	[PURCHLINE].[PRICEUNIT] -> [PurchaseLine].[PurchasePriceUnitACY]

2.7.1.6 Calculated measures

Measure	Description
Purchase price	Cost amount/Purchase invoiced quantity
Invoiced Quantity YTD	SUM(YTD(), [Measures].[Invoiced Quantity])
Purchase Order Remain Quantity	Purchase Line Ordered Quantity – Purchase Line Received Quantity
Purchase Order Remain Quantity UM	Purchase Line Ordered Quantity UM – Purchase Line Received Quantity UM
Shipped Quantity YTD	SUM(YTD(), [Measures].[Shipped Quantity])
Purchase Amount YTD	SUM(YTD(), [Measures].[Purchase Amount])
Purchase Amount ACY YTD	SUM(YTD(), [Measures].[Purchase Amount ACY])
Cost Amount YTD	SUM(YTD(), [Measures].[Cost Amount])
Purchase Cost Amount ACY YTD	SUM(YTD(), [Measures].[Cost Amount ACY])
Shipped Quantity Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Shipped Quantity YTD])
Invoiced Quantity Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Invoiced Quantity YTD])
Purchase Amount Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Purchase Amount YTD])
Purchase Amount ACY Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Purchase Amount ACY YTD])
Cost Amount Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Cost Amount YTD])

Purchase Cost Amount ACY Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Purchase Cost Amount ACY YTD])
Invoiced Quantity YTD Index	[Measures].[Invoiced Quantity YTD] / [Measures].[Invoiced Quantity Last YTD]
Shipped Quantity YTD Index	[Measures].[Shipped Quantity YTD] / [Measures].[Shipped Quantity Last YTD]
Purchase Amount YTD Index	[Measures].[Purchase Amount YTD] / [Measures].[Purchase Amount Last YTD]
Purchase Amount ACY YTD Index	[Measures].[Purchase Amount ACY YTD] / [Measures].[Purchase Amount ACY Last YTD]
Cost Amount YTD Index	[Measures].[Cost Amount YTD] / [Measures].[Cost Amount Last YTD]
Purchase Cost Amount ACY YTD Index	[Measures].[Purchase Cost Amount ACY YTD] / [Measures].[Purchase Cost Amount ACY Last YTD]
Quantity Ordered YTD	SUM(YTD(), [Measures].[Quantity Ordered])
Amount Ordered YTD	SUM(YTD(), [Measures].[Amount Ordered])
Quantity Ordered Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Quantity Ordered YTD])
Amount Ordered Last YTD	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Amount Ordered YTD])
Amount Ordered YTD Index	[Measures].[Amount Ordered YTD] / [Measures].[Amount Ordered Last YTD])
Quantity Ordered YTD Index	[Measures].[Quantity Ordered YTD] / [Measures].[Quantity Ordered Last YTD])
OTD Confirmed Delivery Date	[Measures].[Late Line Confirmed Delivery Date]/[Measures].[Purchase Delivery Count]
OTD Confirmed Shipping Date	[Measures].[Late Line Confirmed Shipping Date]/[Measures].[Purchase Delivery Count]
OTD Requested Shipping Date	[Measures].[Late Line Requested Shipping Date]/[Measures].[Purchase Delivery Count])
Purchase lines	[PurchaseLine].[OrderLineEarly] + [PurchaseLine].[OrderLineLate] + [PurchaseLine].[OrderLineOnTime]
Purchase lines Late %	[PurchaseLine].[OrderLineLate] / [PurchaseLine].[OrderLineEarly] + [PurchaseLine].[OrderLineLate] + [PurchaseLine].[OrderLineOnTime]
Purchase lines Early %	[PurchaseLine].[OrderLineEarly] / [PurchaseLine].[OrderLineEarly] + [PurchaseLine].[OrderLineLate] + [PurchaseLine].[OrderLineOnTime]
Purchase lines On Time %	[PurchaseLine].[OrderLineOnTime] / [PurchaseLine].[OrderLineEarly] + [PurchaseLine].[OrderLineLate] + [PurchaseLine].[OrderLineOnTime]
No of lines Received	[Measures].[No of lines Received in Full] + [Measures].[No of lines Received Partially]
No of lines NotFulFilled %*	[Measures].[No of lines Not FulFilled] / [Measures].[Purchase lines]
No of lines Received %*	[Measures].[No of lines Received] / [Measures].[Purchase lines]
No of lines Received in Full %*	[Measures].[No of lines Received in Full] / [Measures].[Purchase lines]
No of lines Received Partially %*	[Measures].[No of lines Received Partially] / [Measures].[Purchase lines]

No of all Purchase Orders	Number of all Purchase Orders
No of Purchase Journals	Number of Purchase Journals
No of Purchase Orders	Number of Purchase Orders
No of Purchase Returned Orders	Number of Purchase Returned Orders
No of all Posted Purchase Documents	Number of all Posted Purchase Documents
No of Posted Purchase Journals	Number of Posted Purchase Journals
No of Posted Purchase Orders	Number of Posted Purchase Orders
No of Posted Returned Orders	Number of all Posted Returned Orders
Forecast Amount ACY YTD	SUM(YTD(), [Measures].[Forecast Amount ACY])
Forecast Amount ACY YTD Index	[Measures].[Forecast Amount ACY YTD] / [Measures].[Forecast Amount ACY YTD Last]
Forecast Amount ACY YTD Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Amount ACY YTD])
Forecast Amount ACY YTD Variance	[Measures].[Forecast Amount ACY YTD] - [Measures].[Forecast Amount ACY YTD Last]
Forecast Amount ACY YTD Variance %	([Measures].[Forecast Amount ACY YTD] / [Measures].[Forecast Amount ACY YTD Last])
Forecast Amount Posted YTD	SUM(YTD(), [Measures].[Forecast Amount Posted])
Forecast Amount Posted YTD Index	[Measures].[Forecast Amount Posted YTD] / [Measures].[Forecast Amount Posted YTD Last]
Forecast Amount Posted YTD Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Amount Posted YTD])
Forecast Amount Posted YTD Variance	[Measures].[Forecast Amount Posted YTD] - [Measures].[Forecast Amount Posted YTD Last]
Forecast Amount Posted YTD Variance %	[Measures].[Forecast Amount Posted YTD] / [Measures].[Forecast Amount Posted YTD Last]
Forecast Amount YTD	SUM(YTD(), [Measures].[Forecast Amount])
Forecast Amount YTD Index	[Measures].[Forecast Amount YTD] / [Measures].[Forecast Amount YTD Last]
Forecast Amount YTD Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Amount YTD])
Forecast Amount YTD Variance	[Measures].[Forecast Amount YTD] - [Measures].[Forecast Amount YTD Last]
Forecast Amount YTD Variance %	[Measures].[Forecast Amount YTD] / [Measures].[Forecast Amount YTD Last]
Forecast Purchase Qty YTD	SUM(YTD(), [Measures].[Forecast Purchase Qty])
Forecast Purchase Qty YTD Index	[Measures].[Forecast Purchase Qty YTD] / [Measures].[Forecast Purchase Qty YTD Last]
Forecast Purchase Qty YTD Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Purchase Qty YTD])
Forecast Purchase Qty YTD Variance	[Measures].[Forecast Purchase Qty YTD] - [Measures].[Forecast Purchase Qty YTD Last]

Forecast Purchase Qty YTD Variance %	[Measures].[Forecast Purchase Qty YTD] / [Measures].[Forecast Purchase Qty YTD Last]
Forecast Amount Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Amount])
Forecast Amount Variance	[Measures].[Forecast Amount] - [Measures].[Forecast Amount Last]
Forecast Amount Last ACY	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Amount ACY])
Forecast Amount Variance ACY	[Measures].[Forecast Amount ACY] - [Measures].[Forecast Amount Last ACY]
Forecast Purchase Qty Last	(PARALLELPERIOD([Date].[Date YMD].[Year], 1), [Measures].[Forecast Purchase Qty])
Forecast Purchase Qty Variance	[Measures].[Forecast Purchase Qty] - [Measures].[Forecast Purchase Qty Last]
Amount Variance	[Measures].[Purchase Forecast Amount] - [Measures].[Purchase Amount]
Forecast Amount / Purchase Amount Index	[Measures].[Purchase Forecast Amount] / [Measures].[Purchase Amount]
Amount Variance ACY	[Measures].[Purchase Forecast Amount ACY] - [Measures].[Purchase Amount ACY]
Forecast Amount / Purchase Amount ACY Index	[Measures].[Purchase Forecast Amount ACY] / [Measures].[Purchase Amount ACY]
Forecast Amount / Purchase Amount ACY YTD Index	[Measures].[Purchase Forecast Amount ACY YTD] / [Measures].[Purchase Amount ACY YTD]
Amount Variance ACY YTD	[Measures].[Purchase Forecast Amount ACY YTD] - [Measures].[Purchase Amount ACY YTD]
Amount Variance YTD	[Measures].[Purchase Forecast Amount YTD] - [Measures].[Purchase Amount YTD]
Forecast Amount / Purchase Amount YTD index	[Measures].[Purchase Forecast Amount YTD] / [Measures].[Purchase Amount YTD]

** Measure is available from AX2012 on

2.8 Receivables Analysis

Enables overview of all financial analysis regarding customers. Users can easily analyze receivables, relation between debit/credit, balance and various rotation coefficients through different dimension attributes.
Balance is calculated daily from the first day of posting to MS Dynamics AX. It enables overview on before due and overdue receivables in intervals by 30-60-90-120-150-180 days. Insight into payables is enabled for specific document on chosen date.

Extending functionality of MS Dynamics AX

Main advantages:

- advanced measures – avg. receivables, rotation in days, avg. open days for an invoice, avg. due days for specific/group of invoices
- receivables balance trough all customers trough time dimension (trends of receivables)
- snapshots for every day in BI4Dynamics AX Data warehouse makes due/over due receivables analysis very fast
- analysis of receivables trough different attributes on customer card (by country, by posting group, by general business posting group)

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Customer Analysis	Receivables Analysis
Multi-Measure Tool		X
Company	X	X
Currency	X	X
Customer	X	X
Date	X	X
Dim Global Financial Dimension 3	X	X
Dim Global Financial Dimension 4	X	
Document Customer	X	X
Document Customer Invoice	X	X
Document Sales Order	X	X
Due Analysis		X
Employee	X	X
Financial Dimension 1 - 15	X	
Measures	Receivables Balance, Receivables Balance PCY, Receivables Balance ACY, Avg Receivables, Avg Due Days Receivables, Avg Open Days Receivables, Avg Overdue Days Receivables, Receivables Coefficient, Receivables Turnover (days), % of Total Receivables Balance, % of Total Sales, % Receivables Overdue, Days Sales Oustanding	Customer Net change, Customer net change PCY, Customer Net Change ACY, Customer Credit, Customer Credit PCY, Customer Credit ACY, Customer Debit, Customer Debit PCY, Customer Debit ACY, Customer Discount, Customer Discount ACY, Sales, Sales ACY, Sales On Credit, Sales On Credit (%),

		Avg Receivables Payments Terms, Number of Invoices

Dimensions in cube

2.8.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Due Overdue receivables measure group	Posting Date is connected with transaction date from customer settlement table.
Customer Analysis measure group	Posting Date is connected with transaction date from customer transaction table.

Measure Groups

2.8.1.2 Customer Analysis

Name	Description
Customer Net Change	Debit amount – Credit amount. (Amount mst from customer transaction table.) [CUSTTRANS].[AMOUNTMST] -> [Receivables].[AmountBase]
Customer Debit	Debit amount.
Customer Credit	Credit amount.
Customer Discount	Financial discount on a given invoice.
Sales	Sales amount (without VAT).
Sales On Credit	Sales amount (without VAT) on credit.
Number of invoices	Number of distinct invoices.
ACY measures	
Customer Debit ACY	Debit amount in additional currency.
Customer Net Change ACY	[CUSTTRANS].[AMOUNTMST] -> [Receivables].[AmountACY]
Customer Credit ACY	Credit amount in additional currency.
Customer Discount ACY	Financial discount on a given invoice in additional currency.
Sales ACY	Sales amount (without VAT) in additional currency.
Sales On Credit ACY	Sales amount (without VAT) on credit in additional currency.
PCY measures	
Customer Credit PCY	Credit amount in posted currency.
Customer Debit PCY	Debit amount in posted currency.
Customer Net Change PCY	Debit – credit in posted currency (Amount in posted currency from customer transaction table.) [CUSTTRANS].[AMOUNTCUR] -> [Receivables].[AmountPCY]

2.8.1.3 Receivables Analysis

Name	Description
Receivables Balance	Receivables balance on specific day. (Calculated for every day based on settlement amount mst and exchange adjustment.)

Receivables Balance ACY	Receivables balance calculated in additional currency. (Calculated for every day based on settlement amount in posted currency.)
Receivables Balance PCY	Receivables balance calculated in posting currency. (Calculated for every day based on settlement amount in posted currency)

2.8.1.4 Calculated Measures

Measure	Description
Avg Open Days Receivables	Receivables Open Days Weighted / AmountOnDay (How many days are the documents open by average. Example: if payment days is 90, then 90 means that customers are paying us on time.)
Avg Due Days Receivables	Receivables Due Days Weighted / AmountOnDay (How many days are customers late with payments by average.)
Avg Overdue Days Receivables	Receivables Overdue Days Weighted / AmountOnDay (How many day on average are payments late - weigted by Amount that is open);
Opening Receivables Balance	Sum of Balance for specified period.
Avg Open Days Receivables ACY	Receivables Open Days Weighted ACY / AmountOnDay ACY.
Avg Due Days Receivables ACY	Receivables Due Days Weighted ACY / AmountOnDay ACY.
Avg Overdue Days Receivables ACY	Receivables Overdue Days Weighted ACY / AmountOnDay ACY.
Receivables Coefficient	Customer credit (Sales On Credit) / Average receivables (only applicable when Avg Receivables is between -1 and 1).
Receivables Turnover (Days)	365 / Receivables Coefficient (calculates the average collection period)
Receivables Coefficient ACY	Sales On Credit ACY / Average receivables ACY (only applicable when Avg Receivables ACY is between -1 and 1).
Receivables Turnover (Days) ACY	365 / Receivables Coefficient ACY.
% of Total Sales	Percentage of total sales.
% of Total Sales ACY	Percentage of total sales ACY.
% Receivables Overdue	Percentage of Receivables Balance which is overdue.
% Receivables Overdue ACY	Percentage of Receivables Balance ACY which is overdue.
Sales On Credit (%)	Percentage of Sales which is on credit (Sales On Credit/Sales)
Sales On Credit (%) ACY	Sales On Credit ACY / Sales ACY.
Avg Receivables Payment Terms	Due Days Amount / Amount Invoice
Avg Receivables Payment Terms ACY	Due Days Amount ACY / Amount Invoice ACY.
Days Sales Outstanding	Accounts Receivable / Average sales per day (calculates the average collection period, see Receivables Turnover (days))

2.9 Sales Analysis

Complete sales analysis over multiple measures with rich dimension attributes and multi company support. Analysis of sales trends, margin report, parallel period, year-to-date sales, extends standard reporting and makes analyzing data for business users simple, powerful and quick.

Extending functionality of MS Dynamics AX

Main advantages:

- Possibility to analyze customers by Bill-to > Sell-to > Ship-to that is very hard to do in MS Dynamics AX (because some information is on ledger entries and some on posted documents)
- Analyzing sales team by sold items

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with "X". In case of other combinations, results are not correct.

	Sales Delivery	Sales Forecast	Sales Invoice	Sales Orders	Sales Quote	Sales Opportunity
Multi-Measure Tool	X		X			X
Account Manager	X			X	X	
Actual Delivery Date	X		X	X		
Bill Of Lading	X					
Charges			X			
Closed Date						X
Commission Sales Group			X			
Company	X	X	X	X	X	X
Confirmed Delivery Date	X		X	X		
Confirmed Receipt Date	X		X	X		
Confirmed Shipping Date	X		X	X		
Contact Person				X	X	
Country	X			X	X	
Creation User			X			
Customer	X	X	X	X	X	
Date	X	X	X	X		X
Delivery Mode	X			X	X	
Delivery Reason Code					X	
Delivery Term	X			X	X	
Dim Global Financial Dimension 3	X	X	X	X	X	
Dim Global Financial Dimension 4	X	X	X	X	X	
Document Sales			X			

Document Sales Line			X			
Document Sales Opportunity					X	X
Document Sales Order	X			X	X	
Document Sales Order Line	X			X		
Document Sales Quotation					X	
Employee			X			
Expiry Date	X		X	X		
Financial Dimension 1 - 15	X	X	X	X	X	
Follow Up Date	X		X	X		
Forecast End Date	X		X	X		
Forecast Model		X				
General Type			X			
Inventory Dimensions			X			
Inventory Batch			X			
Inventory Dimensions			X			
Inventory Serial			X			
Inventory Size			X			
Invoice To Customer	X	X	X	X	X	
Item	X	X	X	X	X	
Location	X		X	X	X	
Opened Date						X
Packing Slip	X					
Payment Term	X					
Procurement Category	X		X	X	X	
Project		X		X	X	
Project Category					X	
Quotation Reject Reason					X	
Quotation Status					X	
Quotation Type					X	
Reason Code			X			
Requested Receipt Date	X		X	X		
Requested Shipping Date	X		X	X		
Return Reason Code			X	X		
Sales Pool	X			X		
Sales Status				X		

Sales Taker			X			
Sales Type				X		
Unit of Measure			X	X		
Measures		Forecast Amount YTD Forecast Amount Last YTD Forecast Amount YTD Index Forecast Amount YTD Variance Forecast Amount YTD Variance % Forecast Amount Posted YTD Forecast Amount Posted Last YTD Forecast Amount Posted YTD Index Forecast Amount Posted YTD Variance Forecast Amount Posted YTD Variance % Forecast Amount ACY YTD Forecast Amount ACY Last YTD Forecast Amount ACY YTD Index Forecast Amount ACY YTD Variance Forecast Amount ACY YTD Variance %	Avg sales price, Commission amount, Cost, Gross sales, Misc charges, Net sales, Profit, Profit %, Sales discount amount, Sales invoiced quantity, Sales invoiced quantity UM, Shipped quantity, Shipped/invoiced variance, Net sales YTD, Net Sales Last YTD, Net Sales YTD Index, Profit Index YTD, Profit Last YTD, Profit YTD, Sales invoiced quantity YTD, Sales invoiced quantity last YTD, Sales invoiced quantity YTD index, Shipped quantity YTD, Shipped quantity last YTD, Shipped quantity YTD index, Shipped/invoiced variance YTD, Sales Benefits, Sales Profit inc Benefits, Sales Profit inc Benefits %, Sales Cost inc Benefits, Charges Value			Estimated Revenue, Days To Close

		Forecast Sales Qty YTD Forecast Sales Qty Last YTD Forecast Sales Qty YTD Index Forecast Sales Qty YTD Variance Forecast Sales Qty YTD Variance %				

*** Measure group is available from AX 2009 version on.**

Dimensions in cube

2.9.1.1 Date

Date dimension always means the same, but it depends on which cube and measures are checked.

Measure group	Date field in MS Dynamics AX
Sales invoice measure group	Posting Date is connected with invoice date from customer invoice transaction table.
Sales Opportunity measure group	Date is connected with Created Date from Opportunity table.
Sales Forecast measure group	Date is connected with STARTDATE column from FORECASTSALES table.

Measure Groups

2.9.1.2 Sales Delivery

Sales delivery measure group offers detailed analysis about internal delivery performance. It can be analyzed as any combination of:

By Sales delivery date fields (= 5 dimension dates):

Date fields (dimensions)	
Requested Receipt Date	
Requested Shipping Date	
Confirmed Delivery Date	
Confirmed Receipt Date	
Confirmed Shipping Date	

By measures (5):

Measures	
Days late	
Amount late	
Qty late (Quantity late)	
Lines late	
OnTime (Documents late)	

How it works:

- If actual date is equal or before dimension date, than measures are calculated as "on-time".
- If actual date is after dimension date, than measures are calculated as "late".

Name	Description
Amount Late	
Amount Late Confirmed Delivery Date	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedDeliveryDateBase]
Amount Late Confirmed Delivery Date Posted	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedDeliveryDatePosted]
Amount Late Confirmed Receipt Date	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedReceiptDateBase]
Amount Late Confirmed Receipt Date Posted	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedReceiptDatePosted]
Amount Late Confirmed Shipping Date	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedShippingDateBase]
Amount Late Confirmed Shipping Date Posted	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedShippingDatePosted]
Amount Late Requested Receipt Date	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedReceiptDateBase]
Amount Late Requested Receipt Date Posted	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedReceiptDatePosted]
Amount Late Requested Shipping Date	[USTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedShippingDateBase]
Amount Late Requested Shipping Date Posted	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedShippingDatePosted]
Amount Late ACY	
Amount Late Confirmed Receipt Date ACY	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedReceiptDateACY]
Amount Late Confirmed Delivery Date ACY	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedDeliveryDateACY]
Amount Late Confirmed Shipping Date ACY	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateConfirmedShippingDateACY]
Amount Late Requested Receipt Date ACY	[CUSTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedReceiptDateACY]
Amount Late Requested Shipping Date ACY	[USTPACKINGSLIPTRANS].[VALUEMST] -> [SalesDelivery].[AmountLateRequestedShippingDateACY]
Days late	
Average Days Late Confirmed Delivery Date	(Number of days difference between Confirmed Delivery Date and Actual Delivery Date multiplied by Amount Late Confirmed Delivery Date) / Amount Late - Confirmed Delivery Date
Average Days Late Confirmed Receipt Date	(Number of days difference between Confirmed Receipt Date and Actual Delivery Date multiplied by Amount Late Confirmed Receipt Date) / Amount Late - Confirmed Receipt Date
Average Days Late Confirmed Shipping Date	(Number of days difference between Confirmed Shipping Date and Actual Delivery Date multiplied by Amount Late Confirmed Shipping Date) / Amount Late - Confirmed Shipping Date
Average Days Late Requested Receipt Date	(Number of days difference between Requested Receipt Date and Actual Delivery Date multiplied by Amount Late Requested Receipt Date) / Amount Late - Confirmed Delivery Date

Average Days Late Requested Shipping Date	(Number of days difference between Requested Shipping Date and Actual Delivery Date multiplied by Amount Late Requested Shipping Date) / Amount Late - Requested Shipping Date
Lines late	
Late Line Confirmed Delivery Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[CONFIRMEDDLV, DELIVERYDATE] -> [SalesDelivery].[LateLineConfirmedDeliveryDate]
Late Line Confirmed Receipt Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[RECEIPTDATECONFIRMED, DELIVERYDATE] -> [SalesDelivery].[LateLineConfirmedReceiptDate]
Late Line Confirmed Shipping Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[SHIPPINGDATECONFIRMED, DELIVERYDATE] -> [SalesDelivery].[LateLineConfirmedShippingDate]
Late Line Requested Receipt Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[RECEIPTDATEREQUESTED, DELIVERYDATE] -> [SalesDelivery].[LateLineRequestedReceiptDate]
Late Line Requested Shipping Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[SHIPPINGDATEREQUESTED, DELIVERYDATE] -> [SalesDelivery].[LateLineRequestedShippingDate]
On Time	
On Time Confirmed Delivery Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[CONFIRMEDDLV, DELIVERYDATE]-> [SalesDelivery].[OnTimeConfirmedDeliveryDate]
On Time Confirmed Receipt Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[RECEIPTDATECONFIRMED, DELIVERYDATE] -> [SalesDelivery].[OnTimeConfirmedReceiptDate]
On Time Confirmed Shipping Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[SHIPPINGDATECONFIRMED, DELIVERYDATE] -> [SalesDelivery].[OnTimeConfirmedShippingDate]
On Time Requested Receipt Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[RECEIPTDATEREQUESTED, DELIVERYDATE] -> [SalesDelivery].[OnTimeRequestedReceiptDate]
On Time Requested Shipping Date	[CUSTPACKINGSLIPTRANS, SALESLINE].[SHIPPINGDATEREQUESTED, DELIVERYDATE] -> [SalesDelivery].[OnTimeRequestedShippingDate]
Quantity late	
Average Qty Late Confirmed Delivery Date	(When Actual Delivery date > Confirmed Delivery Date then Quantity multiplied by Amount Late Confirmed Delivery Date else 0) / Amount Late - Confirmed Delivery Date
Average Qty Late Confirmed Receipt Date	(When Actual Delivery date > Confirmed Receipt Date then Quantity multiplied by Amount Late Confirmed Receipt Date else 0) / Amount Late - Confirmed Receipt Date
Average Qty Late Confirmed Shipping Date	(When Actual Delivery date > Confirmed Shipping Date then Quantity multiplied by Amount Late Confirmed Shipping Date) / Amount Late - Confirmed Shipping Date
Average Qty Late Requested Receipt Date	(When Actual Delivery date > Requested Receipt Date then Quantity multiplied by Amount Late Requested Receipt Date else 0) / Amount Late - Requested Receipt Date
AverageQty Late Requested Shipping Date	(When Actual Delivery date > Requested Shipping Date then Quantity multiplied by Amount Late Requested Shipping Date else 0) / Amount Late - Requested Receipt Date
More measures	
Packingslip Ordered	[CUSTPACKINGSLIPTRANS].[ORDERED] -> [SalesDelivery].[PackingslipOrdered]
Packingslip Quantity	[CUSTPACKINGSLIPTRANS].[QTY] -> [SalesDelivery].[PackingslipQuantity]
Packingslip Remain	[CUSTPACKINGSLIPTRANS].[REMAIN] -> [SalesDelivery].[PackingslipRemain]
Sales Delivery Count	Row count in Sales Delivery

2.9.1.3 Sales Forecast

Name	Description
Forecast Amount	[FORECASTSALES].[AMOUNT] -> [SalesForecast].[ForecastAmountBase]

Forecast Amount Posted	[FORECASTSALES].[AMOUNT] -> [SalesForecast].[ForecastAmount]
Forecast Cost Price	[FORECASTSALES].[COSTPRICE] -> [SalesForecast].[ForecastCostPriceBase]
Forecast Cost Price Posted	[FORECASTSALES].[COSTPRICE] -> [SalesForecast].[ForecastCostPrice]
Forecast Discount Amount	[FORECASTSALES].[DISCAMOUNT] -> [SalesForecast].[ForecastDiscountAmountBase]
Forecast Discount Amount Posted	[FORECASTSALES].[DISCAMOUNT] -> [SalesForecast].[ForecastDiscountAmount]
Forecast Discount Pct	[FORECASTSALES].[DISCPERCENT] -> [SalesForecast].[ForecastDiscountPct]
Forecast Invent Qty	[FORECASTSALES].[INVENTQTY] -> [SalesForecast].[ForecastInventQty]
Forecast Price Unit	[FORECASTSALES].[PRICEUNIT] -> [SalesForecast].[ForecastPriceUnitBase]
Forecast Price Unit Posted	[FORECASTSALES].[PRICEUNIT] -> [SalesForecast].[ForecastPriceUnit]
Forecast Sales Price	[FORECASTSALES].[SALESPRICE] -> [SalesForecast].[ForecastSalesPriceBase]
Forecast Sales Price Posted	[FORECASTSALES].[SALESPRICE] -> [SalesForecast].[ForecastSalesPrice]
Forecast Sales Qty	[FORECASTSALES].[SALESQTY] -> [SalesForecast].[ForecastSalesQty]
Sales Forecast Count	Row count in Sales Forcast
ACY measures	
Forecast Amount ACY	[FORECASTSALES].[AMOUNT] -> [SalesForecast].[ForecastAmountACY]
Forecast Cost Price ACY	[FORECASTSALES].[COSTPRICE] -> [SalesForecast].[ForecastCostPriceACY]
Forecast Discount Amount ACY	[FORECASTSALES].[DISCAMOUNT] -> [SalesForecast].[ForecastDiscountAmountACY]
Forecast Price Unit ACY	[FORECASTSALES].[PRICEUNIT] -> [SalesForecast].[ForecastPriceUnitACY]
Forecast Sales Price ACY	[FORECASTSALES].[SALESPRICE] -> [SalesForecast].[ForecastSalesPriceACY]

2.9.1.4 Sales Invoice

Name	Description
Commission Amount	Commission amount. (Commission amount in company currency from customer invoice transaction table.) [CUSTINVOICETRANS].[COMMISSAMOUNTMST] -> [SalesInvoice].[CommissionAmountBase]
Commission Amount Posted	[CUSTINVOICETRANS].[COMMISSAMOUNTCUR] -> [SalesInvoice].[CommissionAmountPosted]
Cost	Cost. (AX 2009 and lower: Cost amount posted from inventory transaction table multiplied with minus to get positive value. AX 2012: Sum of cost amount posted from inventory transaction table.) [INVENTTRANS].[COSTAMOUNTPOSTED] -> [SalesInvoice].[CostAmountBase]
Cost Posted	[INVENTTRANS].[COSTAMOUNTPOSTED] -> [SalesInvoice].[CostAmountPosted]
Misc Charges	Additional charges. (Sum markup from customer invoice journal table.) [CUSTINVOICEJOUR].[SUMMARKUPMST] -> [SalesInvoice].[MiscChargesBase]

Charges Value	Additional charges. (Sum markup from markuptrans table.) [MARKUPTRANS].[VALUE] -> [SalesInvoice].[ChargesValueBase]
Charges Value Posted	[MARKUPTRANS].[VALUE] -> [SalesInvoice].[ChargesValuePosted]
Net Sales Posted	[CUSTINVOICETRANS].[LINEAMOUNT] -> [SalesInvoice].[SalesAmountPosted]
Misc Charges Posted	[CUSTINVOICEJOUR].[SUMMARKUP] -> [SalesInvoice].[MiscChargesPosted]
Sales Discount Amount	Discount amount. (Sum line discount amount in company currency from customer invoice transaction table.) [CUSTINVOICETRANS].[DISCAMOUNT, ENDDISCMST] -> [SalesInvoice].[DiscountAmountBase]
Sales Discount Amount End	[CUSTINVOICEJOUR].[SUMMARKUPMST] -> [SalesInvoice].[DiscountAmountEndBase]
Sales Discount Amount %	Sales Discount Amount / Gross Sales
Sales Discount Amount End %	Sales Discount Amount End / Gross Sales
Sales Discount Amount Posted	[CUSTINVOICETRANS].[DISCAMOUNT,ENDDISC] -> [SalesInvoice].[DiscountAmountPosted]
Sales Invoiced Quantity	Invoiced inventory quantity. (AX 3.0: Quantity from customer invoice transaction table.) (AX 4.0 and above: Inventory quantity from customer invoice transaction table.) [CUSTINVOICETRANS].[INVENTQTY] -> [SalesInvoice].[InvoicedQuantity]
Sales Invoiced Quantity UM	Invoiced quantity in posted unit of measure. (Quantity from customer invoice transaction table.) [CUSTINVOICETRANS].[QTY] -> [SalesInvoice].[InvoicedQuantityUM]
Shipped Quantity	Shipped quantity. (AX 2009 and lower: Physical quantity from customer invoice transaction table. AX 2012: Sum of quantity from inventory transaction table.) [INVENTTRANS].[QTY] -> [SalesInvoice].[ShippedQuantity]
Sales Benefits	Additional rebate defined on the customer, item or global level in the PDSREBATEAGREEMENT table. The rebate agreement must be named "BENEFIT".
Sales Benefits Posted	Same as above, in the posted currency.
Sales Profit inc Benefits	Sales profit with additional sales benefits (rebates) subtracted.
Sales Profit inc Benefits %	Sales profit in % with additional sales benefits (refates) subtracted.
Sales Cost inc Benefits	Sales cost with Sales benefits (rebates) included.
ACY measures	
Commission Amount ACY	[CUSTINVOICETRANS].[COMMISSAMOUNTMST,] -> [SalesInvoice].[CommissionAmountACY]
Cost ACY	[INVENTTRANS].[COSTAMOUNTPOSTED] -> [SalesInvoice].[CostAmountACY]
Misc Charges ACY	[CUSTINVOICEJOUR].[SUMMARKUPMST] -> [SalesInvoice].[MiscChargesACY]
Charges Value ACY	[MARKUPTRANS].[VALUE] -> [SalesInvoice].[ChargesValueACY]
Net Sales ACY	[CUSTINVOICETRANS].[LINEAMOUNTMST] -> [SalesInvoice].[SalesAmountACY]
Sales Discount Amount ACY	[CUSTINVOICETRANS].[ENDDISCMST,DISCAMOUNT] -> [SalesInvoice].[DiscountAmountACY]

Sales Benefits ACY	Sales benefits in defined additional currency.
Last Sales Transaction	
Days Since Last Sale	Difference in days from last process date and last transactions.
Last Purchase Date	Date of last transaction.

2.9.1.5 Sales Orders

Name	Description
Sales Order Backlog Amount PDD	[SALESLINE].[REMAINSALESPHYSICAL, PRICEUNIT, SALESPRICE] -> [SalesLine].[BacklogAmountPDD]
Sales Order Backlog Amount RDD	[SALESLINE].[REMAINSALESPHYSICAL, PRICEUNIT, SALESPRICE] -> [SalesLine].[BacklogAmountRDD]
Sales Order Backlog Qty PDD	[SALESLINE].[REMAINSALESPHYSICAL] -> [SalesLine].[BacklogQtyPDD]
Sales Order Backlog Qty RDD	[SALESLINE].[REMAINSALESPHYSICAL] -> [SalesLine].[BacklogQtyRDD]
Sales Order Blocked	[SALESLINE].[BLOCKED] -> [SalesLine].[Blocked]
Sales Order Complete	[SALESLINE].[COMPLETE] -> [SalesLine].[Complete]
Sales Order Cost Price UM	[SALESLINE].[COSTPRICE] -> [SalesLine].[CostPrice]
Sales Order Sales Amount	[SALESLINE].[LINEAMOUNT] -> [SalesLine].[LineAmountBase]
Sales Order Amount Posted	[SALESLINE].[LINEAMOUNT] -> [SalesLine].[LineAmountPosted]
Sales Order Sales Discount	[SALESLINE].[LINEDISC] -> [SalesLine].[LineDiscountBase]
Sales Order Sales Discount Posted	[SALESLINE].[LINEDISC] -> [SalesLine].[LineDiscountPosted]
Sales Order Ordered Qty	[SALESLINE].[QTYORDERED] -> [SalesLine].[SalesQty]
Sales Order Open Amount	[SALESLINE].[REMAINSALESPHYSICAL, PRICEUNIT, SALESPRICE] -> [SalesLine].[OpenAmountBase]
Sales Order Open Amount Posted	[SALESLINE].[REMAINSALESPHYSICAL, PRICEUNIT, SALESPRICE] -> [SalesLine].[OpenAmountPosted]
Sales Order Open Qty	[SALESLINE].[REMAINVENTPHYSICAL] -> [SalesLine].[OpenQty]
Sales Order Open Qty UM	[SALESLINE].[REMAINSALESPHYSICAL] -> [SalesLine].[OpenQtyUM]
Sales Order Line Count	
Sales Order Sales Price UM	[SALESLINE].[SALESPRICE] -> [SalesLine].[SalesPriceBase]
Sales Order Sales Price Posted UM	[SALESLINE].[SALESPRICE] -> [SalesLine].[SalesPricePosted]
Sales Order Ordered Qty UM	[SALESLINE].[SALESQTY] -> [SalesLine].[SalesQtyUM]
Sales Order Picked Qty	[SALESLINE].[CASE WHEN INVENTTRANSID = '' OR STOCKEDPRODUCT = 0 THEN 0 ELSE SALESQTY END] -> [SalesLine].[PickedInTotalSalesUnit]
Sales Order Ordered Reserved Qty	[SALESLINE].[CASE WHEN INVENTTRANSID = '' OR STOCKEDPRODUCT = 0 THEN 0 ELSE [INVENTSUM].RESERVPHYSICAL END] -> [SalesLine].[ReservedPhysicalInSalesUnit]
Sales Order Physical Reserved Qty	[SALESLINE].[CASE WHEN INVENTTRANSID = '' OR STOCKEDPRODUCT = 0 THEN 0 ELSE [INVENTSUM].RESERVORDERED END] -> [SalesLine].[ReservedOnOrderInSalesUnit]
ACY measures	
Sales Order Open Amount ACY	[SALESLINE].[REMAINSALESPHYSICAL, PRICEUNIT, SALESPRICE] -> [SalesLine].[OpenAmountACY]
Sales Order Sales Amount ACY	[SALESLINE].[LINEAMOUNT] -> [SalesLine].[LineAmountACY]

2.9.1.6 Sales Quote

Name	Description

Quoted Cost Price	[SMMQUOTATIONLINE].[COSTPRICE] -> [SalesQuote].[QuotedCostPriceBase]
Quoted Cost Price ACY	[SALESQUOTATIONLINE].[COSTPRICE] -> [SalesQuote].[QuotedCostPriceACY]
Quoted Cost Price Posted	[SMMQUOTATIONLINE].[COSTPRICE] -> [SalesQuote].[QuotedCostPricePosted]
Quoted Line Amount	[SMMQUOTATIONLINE].[LINEAMOUNT] -> [SalesQuote].[QuotedLineAmountBase]
Quoted Line Amount ACY	[SALESQUOTATIONLINE].[LINEAMOUNT] -> [SalesQuote].[QuotedLineAmountACY]
Quoted Line Amount Posted	[SMMQUOTATIONLINE].[LINEAMOUNT] -> [SalesQuote].[QuotedLineAmountPosted]
Quoted Qty Ordered	[SALESQUOTATIONLINE].[QTYORDERED] -> [SalesQuote].[QuotedQtyOrdered]
Quoted Sales Price	[SALESQUOTATIONLINE].[SALESPRICE, COSTPRICE] -> [SalesQuote].[QuotedSalesPriceBase]
Quoted Sales Price ACY	[SALESQUOTATIONLINE].[SALESPRICE] -> [SalesQuote].[QuotedSalesPriceACY]
Quoted Sales Price Posted	[SALESQUOTATIONLINE].[SALESPRICE] -> [SalesQuote].[QuotedSalesPricePosted]
Quoted Sales Qty	[SALESQUOTATIONLINE].[SALESQTY] -> [SalesQuote].[QuotedSalesQty]
Sales Quote Count	Row count in Sales Quote

2.9.1.7 Sales Opportunity

Name	Description
Opportunity Estimated Revenue	[SMMOPPORTUNITYTABLE].[ESTIMATEDREVENUE] -> [SalesOpportunity].[EstimatedRevenue]
Opportunity Days To Close	[SMMOPPORTUNITYTABLE].[DAYSTOCLOSE] -> [SalesOpportunity].[DaysToClose]

2.9.1.8 Calculated measures

Name	Description
Gross sales	Net sales + Sales discount amount + Misc charges.
Profit	Net sales – Cost.
Profit %	Profit / Net sales.
Sales Profit ACY	Net Sales ACY – Cost ACY.
Sales Profit % ACY	Sales Profit ACY / Net Sales ACY.
Shipped/Invoiced variance	Shipped quantity – Sales invoiced quantity.
Shipped/Invoiced variance YTD	Shipped quantity YTD – Sales invoiced quantity YTD.
Shipped quantity YTD	Year-To-Date shipped quantity. (Sum of shipped quantity from January to chosen month in specified year.)
Shipped quantity last YTD	Previous year Year-To-Date shipped quantity. (Sum of shipped quantity from January to chosen month in specified year.)
Shipped quantity YTD index	Shipped quantity YTD/Shipped quantity last YTD

Net sales YTD	Year-To-Date net sales. (Sum of net sales from January to chosen month in specified year.)
Net sales last YTD	Previous year Year-To-Date net sales. (Sum of net sales from January to chosen month in specified year.)
Net sales YTD index	Net sales last YTD/Net sales last YTD
Profit index YTD	Profit YTD / Profit Last YTD.
Profit last YTD	Previous year Year-To-Date profit. (Sum of profit from January to chosen date in specified year.)
Profit YTD	Year-To-Date profit. (Sum of profit from January to chosen date in specified year.)
Sales Profit ACY YTD	Year-To-Date profit ACY. (Sum of profit ACY from January to chosen date in specified year.)
Sales Profit ACY Last YTD	Previous year Year-To-Date profit ACY. (Sum of profit ACY from January to chosen date in specified year.)
Sales Profit ACY YTD Index	Sales Profit ACY YTD / Sales Profit ACY Last YTD.
Sales invoiced quantity last YTD	Previous year Year-To-Date sales invoiced quantity. (Sum of sales invoiced quantity from January to chosen month in specified year.)
Sales invoiced quantity YTD	Year-To-Date sales invoiced quantity. (Sum of sales invoiced quantity from January to chosen month in specified year.)
Sales invoiced quantity YTD index	Sales invoiced quantity YTD/Sales invoiced quantity last YTD.
Avg sales price	Net Sales / Sales Invoiced Quantity
Avg sales cost	Cost / Sales Invoiced Quantity
Sales Cost ACY	Cost ACY / Sales Invoiced Quantity.
Sales Order Delivered Qty UM	Sales Order Ordered Qty UM – Sales Order Open Qty UM
Sales Order Delivered Qty	Sales Order Ordered Qty – Sales Order Open Qty
Sales Forecast Amount Variance	Net Sales - Sales Forecast Amount
Sales Forecast Amount Variance ACY	Net Sales ACY - Sales Forecast Amount ACY
Sales Forecast Sales Qty Variance	Sales Invoiced Quantity - Sales Forecast Sales Qty

2.10 Shop Floor Control

Shop Floor Control module is not a stand-alone module, it is integrated into Production module. Module is developed for companies who track production time over Shop Floor Control module in AX.

How to use dimensions and measures

In the table below is shown how to use different dimensions in combination with measures. Possible combinations are indicated with “X”. In case of other combinations, results are not correct.

	SFC
Multi-Measure Tool	
Company	X
Composition	X
Consumption	X

Date	X
Dim Global Financial Dimension 3	X
Dim Global Financial Dimension 4	X
Financial Dimension 1 - 15	X
Output	X
Production Employee	X
Production Error	X
Production Job	X
Production Order	X
Production Pool	
Production Route	X
Vendor	X
Measures	Availability %, Availability hours, Consumed hours – SFC, DownTime, Efficiency (planned hours) – SFC, Efficiency (standard hours) – SFC, Employee efficiency (standard hours), Error quantity – SFC, Good quantity – SFC, OEE, Performance %, Start time, Stop Time

Measure Groups

2.10.1.1 SFC

Name	Description
Consumed Hours - SFC	Difference between start and stop time from jmg stamp transaction table. [JMGSTAMPTRANS].[STARTDATE, STOPDATE, STOPTIME, STARTTIME] -> [SFC].[ConsumedHours]
Down Time	Difference between start and stop time when we have absence, break or error. [JMGSTAMPTRANS].[STARTDATE, STOPDATE, STOPTIME, STARTTIME] -> [SFC].[DownTime]
Error Quantity - SFC	Error quantity (QTYERROR) from jmg stamp transaction table.
Good Quantity - SFC	Good quantity (QTYGOOD) from jmg stamp transaction table. [JMGSTAMPTRANS].[QTYGOOD] -> [SFC].[GoodQty]
Start Time	Start time (STARTTIME) of an operation from jmg stamp transaction table. [JMGSTAMPTRANS].[STARTTIME] -> [SFC].[StartTime]
Stop Time	Stop time (STOPTIME) of an operation from jmg stamp transaction table. [JMGSTAMPTRANS].[STOPTIME] -> [SFC].[StopTime]

2.10.1.2 Calculated measures

Measure	Description
Availability %	(Down time – Standard quantity)/ Down time.
Availability hours	Standard quantity – Down time.
Efficiency (planned hours) – SFC	(Consumed hours – SFC – Estimated quantity)/Estimated quantity + 1.

Efficiency (standard hours) – SFC	(Consumed hours – SFC – Standard quantity)/Standard quantity + 1.
Employee efficiency (standard hours) – SFC	(Consumed hours – SFC – Standard time) / Standard time + 1
OEE	Quality % * Performance % * Availability %.
Performance %	1-([Consumed Hours - SFC] - ([Standard Quantity])/.[Standard Quantity]))

© BI4Dynamics UK, 2019. This document consists of 112 pages.

3 DIMENSIONS

Common dimensions appear in all cubes and can be used with all measures.

3.1 ¤Multi-Measure Tool¤

Enables to analyze measures on various attributes. By adding new dimension "Multi-Measure Tool" to columns, current measure (for example Net Sales) is automatically expanded by 28 new measures. New measures are based on combination of base measure and date. It works with every transactional measure in all cubes!

Attributes

Name	Measure criteria
Aggregation	-1M, -2M, -3M, -4M, -1W, -2W, -3W, -4W, Rolling 3M, Rolling 6M, Rolling 12M, Rolling 3M Avg, Rolling 6M Avg, Rolling 12M Avg, Running Total
Comparison	YTD, YTD Previous, YTD Index, YTD Variance, YTD Variance %, Previous Year, Previous Year Variance, Previous Year Variance %, Year over Year, Period over Period
Aggregation and Comparison	YTD, YTD Previous, YTD Index, YTD Variance, YTD Variance %, Previous Year, Previous Year Variance, Previous Year Variance %, Year over Year, Period over Period, -1M, -2M, -3M, -4M, -1W, -2W, -3W, -4W, Rolling 3M, Rolling 6M, Rolling 12M, Rolling 3M Avg, Rolling 6M Avg, Rolling 12M Avg, Running Total

Description of Multi-measure Tool attributes and criteria:

Criteria	Description
-1M	Measure from previous months.
-2M	Measure from 2 months ago.
-3M	Measure from 3 months ago.
-4M	Measure from 4 months ago.
-1W	Measure from previous week.
-2W	Measure from 2 weeks ago.
-3W	Measure from 3 weeks ago.
-4W	Measure from 4 weeks ago.
Rolling 3M	Sum of measure from previous 3 months.
Rolling 6M	Sum of measure from previous 6 months.
Rolling 12M	Sum of measure from previous 12 months.
Rolling 3M Avg	Average of measure from previous 3 months.
Rolling 6M Avg	Average of measure from previous 6 months.
Rolling 12M Avg	Average of measure from previous 12 months.
Running Total	Balance from beginning without date filter
YTD	Year-To-Date measure. (Sum of measure from January to chosen month in specified year.)
YTD Previous	Year-To-Date net sales. (Sum of measure from January to chosen month in previous year.)
YTD Index	Measure YTD / Measure last YTD.
YTD Variance	Measure YTD – Measure Last YTD.
YTD Variance %	(Measure YTD / Measure Last YTD) – 1.
Previous Year	Measure in the same period of previous year.
Previous Year Variance	Measure – Previous year
Previous Year Variance %	(Measure – Previous year)/Measure in %.
Year over Year	(Measure / Measure from previous year) in %. Period is Y.

Period over Period	(Measure / Measure from previous period) in %. Period can be Y, Q, M, W – any date hierarchy.

3.2 Account Manager

Attributes

Name	Description
Account Manager	[EMPLTABLE].[EMPLID, NAME] -> [AccountManager].[NoNameDesc]

3.3 Bill Of Lading

Attributes

Name	Description
Bill Of Lading	[CUSTPACKINGSLIPJOUR].[BILLOFLADINGID,CUSTOMERREF] -> [BillOfLading].[BillOfLadingNoDesc]
Bill Of Lading Description	[CUSTPACKINGSLIPJOUR].[CUSTOMERREF] -> [BillOfLading].[BillOfLadingNameDescription]
Bill Of Lading No	[CUSTPACKINGSLIPJOUR].[BILLOFLADINGID] -> [BillOfLading].[BillOfLadingNo]

3.4 Budget allocation method

Dimension is used to check which budgets are done by different types of budget allocation methods.
Note: Dimension is not available for AX 2012.

Attribute

Name	Description
Description	Budget allocation method description. (None/Period/Key) (Ledger budget table → Allocation method)

3.5 Budget Transaction Code

Dimension is used to check budgets through different characterization.
Note: Dimension is available just for AX 2012.

Attributes

Name	Description
Name	Budget transaction code description. (None/Period/Key) (Budgeting → Budget codes → Description → Budget transaction code table) [BUDGETTRANSACTIONCODE].[DESCRIPTION] -> [BudgetTransactionCode].[Name]
Type	Budget transaction type. (Original budget/Transfer/Amendment/…) (Budgeting → Budget codes → Budget type → Budget transaction code table) [Translation].[DESCRIPTION] -> [BudgetTransactionCode].[Type]

Hierarchies

Name	Description
Budget Transaction by Type	Type – Name

3.6 Budget Status

Dimension is used to see if budget transaction is completed or not.
Note: Dimension is available just for AX 2012.

Attributes

Name	Description
Budget Status	Status of a budget transaction. (Draft/Completed) (Budgeting → Budget register entries → Budget register entry status → Budget transaction header table) [Translation].[BudgetTransactionHeader, TransactionStatus] -> [BudgetTransactionStatus].[Name]

3.7 Budget Type

Dimension is used to analyze transactions over different budget types.
Note: Dimension is available just for AX 2012.

Attributes

Name	Description
Budget Type	Type of a budget transaction. (Expense/Revenue) (Budget transaction line table → Budget type) [Translation].[BudgetType, UnknownOption1] -> [BudgetType].[Name]

3.8 Charges

Attribute

Name	Description
Charges Category	[MARKUPTRANS].[MARKUPCATEGORY]
Charges Code	[MARKUPTRANS].[MARKUPCODE]
Charges Description	[MARKUPTRANS].[TXT]

3.9 Closed period

Dimension that makes possible to not include general ledger entries that were applied for income accounts at closing period. This is very useful when we want to observe time trends through multiple years on income accounts.
Note: Dimension is not available for AX 2012.

Attribute

Name	Description
Closed period	Options which we can select under Period Code, (Opening/Regular/Closing). (Ledger Trans table → Period Code)

3.10 Commission Sales group

Dimension is used to analyze sales transactions over different commission sales groups.

Attributes

Name	Description
Commission Group	Commission sales group, with code and number. (Accounts receivable → Setup → Sales order → Commission → Commission sales group → Commission sales group table) [COMMISSIONSALESGROUP].[GROUPID,NAME] -> [CommissionSalesGroup].[NoNameDesc]

3.11 Company

Dimension consists of all companies selected at installation of BI4Dynamics.

Attributes

Name	Description
Company	Company name in MS Dynamics AX [Company].[CompanyCode, CompanyName] -> [Company].[CompanyCodeName]
Partition	A division of an application's processing into logical parts
Data Source ID	Data Source ID from the instance.
Data Source Server Name	Name of the server from the data source.
Data Source Database Name	Name of the database from the data source.

Hierarchies

Name	Description
Company by Partition	Partition - Company

3.12 Composition

Composition dimension is used to see consumptions and outputs at once. Filtering specific order we can see all consumptions and all outputs we had on a production order.

Attributes

Name	Description
Composition	Depends what we check. If we look at Item, then we see no and name of an item, in case of work center we see no and name of work center or machine. [PRODCALCTRANS, INVENTTABLE].[KEY1, ITEMNAME] -> [Composition].[NoNameDesc]
Group	Item group of an item or work center group of a work center. (Item: Inventory management → Places → Items, Work center: Production → Setup → Work centers →Task groups) [INVENTTABLE, INVENTITEMGROUP].[ITEMGROUPID, NAME] -> [Composition].[GroupCodeDesc]
Product Group	Production group of an item or work center group of a work center. (Item: Inventory management → Places → Items (AX 2009 and lower), Item: Product information management → Products (AX 2012) Work center: Production → Setup → Work centers →Task groups (AX 2009 and lower), Work center:) [Translation].[Description] -> [Composition].[ProductGroupCodeDesc]
Source Type	Manually made member. Can be item or work center. [Translation].[Description] -> [Composition].[SourceTypeDesc]

Type	Manually made member. Can be consumption or output, depends on calculation type [INVENTTABLE, PRODGROUP].[PRODGROUPID, NAME] -> [Composition].[ProductGroupCodeDesc]

Hierarchies

Name	Description
Composition by Group	Type – Source type – Group – Composition
Composition by Product Group	Type – Source type – Product group – Composition
Composition by Type	Type – Source type – Composition

3.13 Consumption

Dimension is used to analyze consumptions for an output.

Attributes

Name	Description
Consumption	Depends what we check. If we look at Item, then we see no and name of an item, in case of work center we see no and name of work center or machine. [PRODCALCTRANS, INVENTTABLE].[KEY1, ITEMNAME] -> [Consumption].[NoNameDesc]
Group	Item group of an item or work center group of a work center. (Item: Inventory management → Places → Items, Work center: Production → Setup → Work centers →Task groups) [INVENTTABLE, INVENTITEMGROUP].[ITEMGROUPID, NAME] -> [Consumption].[GroupCodeDesc]
Product Group	Production group of an item or work center group of a work center. (Item: Inventory management → Places → Items, Work center: Production → Setup → Work centers →Task groups) [INVENTTABLE, PRODGROUP].[PRODGROUPID, NAME] -> [Consumption].[ProductGroupCodeDesc]
Source Type	Manually made member. Can be item or work center. [Translation].[Description] -> [Consumption].[SourceTypeDesc]
Type	Manually made member, depends on calculation type. [Translation].[Description] -> [Consumption].[Type]

Hierarchies

Name	Description
Consumption by Group	Type – Source type – Group – Composition
Consumption by Product Group	Type – Source type – Product group – Composition
Consumption by Type	Type – Source type – Composition

3.14 Contact Person

Attributes

Name	Description
Contact Person	[CONTACTPERSON].[CONTACTPERSONID, NAME] -> [ContactPerson].[NameNoDesc]
Customer No	[CONTACTPERSON].[CUSTACCOUNT] -> [ContactPerson].[CustomerNo]

Contact Name	[CONTACTPERSON].[NAME]

3.15 Cost Group

Attributes

Name	Description
Cost Group	[BOMCOSTGROUP].[COSTGROUPID] + [BOMCOSTGROUP].[NAME] -> [CostGroup].[CostGroupCodeName]
Cost Group Type	[BOMCOSTGROUP].[COSTGROUPTYPE] -> [CostGroup].[CostGroupType]
Cost Group Behavior	[BOMCOSTGROUP].[COSTGROUPBEHAVIOR] -> [CostGroup].[CostGroupBehaviour]

Hierarchies

Name	Description
Cost Group by Type and Name	Cost Group Type - Cost Group
Cost Group by Behavior and Name	Cost Group Behavior – Cost Group

3.16 Country

Attributes

Name	Description
Country	[COUNTRY].[COUNTRYID, NAME] -> [Country].[NameNoDesc]
ISO Country Code	[COUNTRY].[ISOCODE] -> [Country].[IsoCountryCode]

3.17 Currency

Dimensions used to define currency.

Attributes

Name	Description
Currency	Currency. (General Ledger → Setup → Exchange rates) [CURRENCY].[CURRENCYCODE, TXT] -> [Currency].[NoNameDesc]

3.18 Customer

Information regarding Customer. We provide two level structure for dimension (Sell – to and Bill – to).

Attributes

Name	Description
Bill-to Country	Origin country of a customer. (Accounts receivable → Common Forms → Customer Details → Addresses → Customer table)
Bill-to Customer	Customer that received the invoice. (From Cust table and Cust invoice jour table, structured by Order account and Invoice account field.) [CUSTTABLE].[ACCOUNTNUM,NAME] -> [Customer].[BilltoNoNameDesc]
Bill-to Customer Business	Customer business field.

	(Accounts receivable → Customers → Contact information →Line of business → Customer table → Customer table) [CUSTTABLE, LINEOFBUSINESS].[LINEOFBUSINESSID, DESCRIPTION] -> [Customer].[BilltoCustomerBusinessCodeDesc]
Bill-to Customer Chain*	Customer chain. (Accounts receivable → Customers → General →Chain → Customer table)
Bill-to Customer Commission Group	Specific customer commission group. (Accounts receivable → Common Forms → Customer Details → Sales order → Customer table) [CUSTTABLE, COMMISSIONCUSTOMERGROUP].[COMMISSIONGROUP, NAME] -> [Customer].[BilltoCustomerCommissionGroupCodeDesc]
Bill-to Customer Destination	Customer destination. (Accounts receivable → Customers → Setup →Destination code → Customer table) [CUSTTABLE, DESTINATIONCODE].[DESTINATIONCODEID, DESCRIPTION] -> [Customer].[BilltoCustomerDestinationCodeDesc]
Bill-to Customer Group	Specific customer group. (Accounts receivable → Common Forms → Customer Details → General → Customer table) [CUSTTABLE, CUSTGROUP].[CUSTGROUP, NAME] -> [Customer].[BilltoCustomerGroupCodeDesc]
Bill-to Customer Price Group	Specific customer price group. (Accounts receivable → Common Forms → Customer Details → Sales order → Customer table) [CUSTTABLE, PRICEDISCGROUP].[PRICEGROUP, NAME] -> [Customer].[BilltoCustomerPriceGroupCodeDesc]
Bill-to Customer Segment*	Customer segment. (Accounts receivable → Customers → General →Segment → Customer table)
Bill-to Customer Site*	Customer site. (Accounts receivable → Customers → Sales order → Site → Customer table)
Bill-to Customer Sub Segment*	Customer sub segment. (Accounts receivable → Customers → General →Sub segment → Customer table)
Bill-to Customer No	Customer that received the invoice. (From Cust table and Cust invoice jour table, structured by Order account and Invoice account field.) [CUSTTABLE].[ACCOUNTNUM] -> [Customer].[BilltoNo]
Bill-to Customer Name	Customer that received the invoice. (From Cust table and Cust invoice jour table, structured by Order account and Invoice account field.) [CUSTTABLE].[NAME] -> [Customer].[BilltoName]
Bill-to Address**	(Accounts receivable → Common Forms → Customer Details → Addresses) [LOGISTICSPOSTALADDRESS].[ADDRESS] -> [Customer].[BillToCustomerAddress]
Bill-to Contact - Phone***	(Accounts receivable → Common Forms → Customer Details → Contact information -> Description + Contact number/address (type: Phone)) [LOGISTICSELECTRONICADDRESS].[Description] + [LOGISTICSELECTRONICADDRESS].[LOCATOR] -> [Customer].[BillToCustomerContactTel]

Bill-to Contact - Email***	(Accounts receivable → Common Forms → Customer Details → Contact information -> Description + Contact number/address (type: E-mail address)) [LOGISTICSELECTRONICADDRESS].[Description] + [LOGISTICSELECTRONICADDRESS].[LOCATOR] -> [Customer].[BillToCustomerContactEmail]
Bill-to Contact - URL***	Customer URL (Accounts receivable → Common Forms → Customer Details → Contact information -> Description + Contact number/address (type: URL)) [LOGISTICSELECTRONICADDRESS].[Description] + [LOGISTICSELECTRONICADDRESS].[LOCATOR] -> [Customer].[CustomerContactUrl]
Bill-to City**	(Accounts receivable → Common Forms → Customer Details → Addresses) [LOGISTICSPOSTALADDRESS].[CITY] -> [Customer].[BillTo City]
Bill-to Currency*	(Accounts receivable → Common Forms → Customer Details → Sales demographics) [CUSTTABLE].[Currency] -> Customer].[BilltoCustomer Currency]
Bill-to Payment Terms*	(Accounts receivable → Common Forms → Customer Details → Payment defaults) [PAYMTERMID].[PAYMTERMID] + [PAYMTERMID].[DESCRIPTION] -> [Customer].[BillToCustomerPaymTermCodeDesc]
Bill-to Payment Method*	(Accounts receivable → Common Forms → Customer Details → Payment defaults) [CUSTTABLE].[PAYMMODE] + [CUSTPAYMMODETABLE].[NAME] -> [Customer].[BillTo CustomerPaymModeCodeDesc]
Bill-to ID Number*	(Accounts receivable → Common Forms → Customer Details → Miscellaneous details) [CUSTTABLE].[IDENTIFICATIONNUMBER] -> [Customer].[BillToCustomerIDNumber]
Bill-to Payment Schedule*	(Accounts receivable → Common Forms → Customer Details → Payment defaults) [CUSTTABLE].[PAYMSCHED] + [PAYMSCHED].[DESCRIPTION] -> [Customer].[BillToCustomerPaymSchedCodeDesc]
Bill-to Credit Rating*	(Accounts receivable → Common Forms → Customer Details → Credit and collections) [CUSTTABLE].[CREDITRATING] -> [Customer].[BillToCustomerCreditRating]
Bill-to Statistics Group*	(Accounts receivable → Common Forms → Customer Details → Miscellaneous details) [CUSTTABLE].[STATISTICSGROUP] + [CUSTSTATISTICSGROUP].[STATGROUPNAME] -> [Customer].[BillToCustomerStatGroupCodeDesc]
Bill-to Employee Responsible**	(Accounts receivable → Common Forms → Customer Details → Sales demographics) [HCMWORKER].[PERSONNELNUMBER] + [DIRPARTYTABLE].[NAME] -> [Customer].[BillTo EmployeeResponsibleCodeDesc]
Bill-to Company Chain*	(Accounts receivable → Common Forms → Customer Details → Miscellaneous details) [CUSTTABLE].[STATISTICSGROUP] + [CUSTSTATISTICSGROUP].[STATGROUPNAME] -> [Customer].[BillToCustomerStatGroupCodeDesc]
Bill-to Customer Create Date	[CUSTTABLE].[CREATEDDATETIME] -> [Customer].[BillToCustomerCreateDate]

Sell-to Customer	For which customer did we ship the order. (From Cust table and Cust invoice jour table, structured by Order account and Invoice account field.) [CUSTTABLE].[ACCOUNTNUM,NAME] -> [Customer].[SelltoNoNameDesc]

* Attribute is available from AX 2009 version on.
** Attribute is available from AX 2012 version on.
*** Attribute is available from AX 2012R2 version on.

Hierarchies

Name	Description
Customer by Business	Bill to customer business – Bill to customer – Sell to customer
Customer by Chain*	Bill to customer chain – Bill to customer – Sell to customer
Customer by Commission Group	Bill to customer commission group – Bill to customer – Sell to customer
Customer by Country	Bill to country – Bill to customer – Sell to customer
Customer by Customer Group	Bill to customer group – Bill to customer – Sell to customer
Customer by Destination	Bill to customer destination – Bill to customer – Sell to customer
Customer by Price Group	Bill to customer price group – Bill to customer – Sell to customer
Customer by Segment*	Bill to customer segment – Bill to customer sub segment – Bill to customer – Sell to customer
Customer by Site*	Bill to customer site – Bill to customer – Sell to customer

* Hierarchy is available from AX 2009 version on.

3.19 Date

Attributes

Name	Description
Day	01.01.2016, 02.01.2016, 03.01.2016
Month	January, February… December
Quarter	Q1, Q2, Q3, Q4
Week	ISO Week in specified Calendar Year (1, 2, 3, 4, 5… 53)
Year	Calendar Year: 2016, 2017
Year Week	ISO Year - ISO Week combination (2014-1, 2014-2, 2014-3…) ISO Year (date attribute based on internationally recognized function ISO Week) is different from Calendar Year. Few days in January and December may belong to diffent ISO week than Calendar Week and therefore ISO Year attribute is different than Calendar Year attribute. ISO Year attribute is only available as part of Year Week hierarchy and not as a separate date attribute.
Month No	1, 2… 12
Day in Week	Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday
Day in Month	Day in specified Month: 1, 2…
Fiscal Year	Fiscal Year
Fiscal Quarter	Quarter in Fiscal Year: Q1, Q2, Q3, Q4
Fiscal Quarter No	Number of quarter in Fiscal Year: 1, 2…
Fiscal Month No	Number of month in Fiscal Year: 1, 2…
Fiscal Month Name	January, February… December
Fiscal Week No	Number of week in Fiscal Year: 1, 2…
Accounting Period	Period as defined in AX table “FISCALCALENDAR”

Current Year Current Year To Date Current Quarter Current Month Current Month To Date Current Week Today Previous Year Previous Year To Date Previous Quarter Previous Month Previous Month To Date Previous Week Yesterday Same Quarter Last Year Same Month Last Year Same Week Last Year Same Day Last Year	Calculations of all dates and date periods are based on date of processing, that is determining "Today". Processing update is done usually once per day thefore: • If processing of date dimension is done before midnight, than "Today" is true last day of processing. • If processing of date dimension is done after midnight, than "Today" is actually a new day, and all last day postings belong to "Yesterday", Processing of date dimension is done just after processing staging area. It is possible to change of calcatiing "Today" - shift formula for few hours – in SQL script.

Hierarchies

Name	Description
Date YMD	Year – Month - Day (Calendar)
Date YQMD	Year – Quarter – Month – Day (Calendar)
Date YWD	Year – Week – Day (ISO Week function)
Fiscal Date YMD	Year – Month – Day (Fiscal Date)
Fiscal Date YQMWD	Year – Quarter – Month – Week – Day (Fiscal Date)
Fiscal Date YPD	Fiscal Year – Accounting Period – Day (Accounting Periods)

3.20 Delivery Mode

Attributes

Name	Description
Delivery Mode	[DLVMODE].[CODE, TXT] -> [DeliveryMode].[DeliveryModeNoName]
Ship Carrier	[DLVMODE].[SHIPCARRIERNAME, TXT] -> [DeliveryMode].[ShipCarrierNoName]

Hierarchies

Name	Description
Carrier by Delivery Mode	Delivery Mode – Ship Carrier

3.21 Delivery Reason Code

Attributes

Name	Description
Delivery Reason	[DLVREASON].[CODE, TXT] -> [DeliveryReasonCode].[DeliveryReasonCodeNoName]

3.22 Delivery Term

Attributes

Name	Description
Delivery Term	[DLVTERM].[CODE, TXT] -> [DeliveryTerm].[DeliveryTermNoName]

3.23 Document Customer

All posted documents in customer ledger entries.

Attributes

Name	Description
Document Number	Document number. (Account receivable documents numbers. Customer transaction table.) [CUSTTRANS].[VOUCHER] -> [DocumentCustomer].[DocumentNo]
Document Type	Type of posted document. (Account receivable documents. Customer transaction table.)
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Account receivable documents "Trans date". Customer transaction table.) [CUSTTRANS].[TRANSDATE] -> [DocumentCustomer].[PostedYearMonth]

Hierarchies

Name	Description
Document Customer by Type	Document type – Posted year month – Document number.

3.24 Document Customer Invoice

All posted invoices in customer ledger entries.

Attributes

Name	Description
Document Number	Invoice number. (Account receivable invoices numbers. Customer transaction table.) [CUSTTRANS].[INVOICE] -> [DocumentCustomerInv].[DocumentNo]
Document Type	Type of posted invoice. (Account receivable documents. Customer transaction table.) [CUSTTRANS].[TRANSTYPE] -> [DocumentCustomerInv].[DocumentType]
Posted Year Month	Type of posted invoice. (Account receivable documents. Customer transaction table.) [CUSTTRANS].[TRANSDATE] -> [DocumentCustomerInv].[PostedYearMonth]

Hierarchies

Name	Description
Document Customer Invoice by Type	Document type – Posted year month – Document number.

3.25 Document GL

All posted documents in general ledger.

Attributes

Name	Description
Document No	Document number. (General Ledger documents numbers. AX 2009 and lower: Ledger transaction table. AX 2012: General journal entry table.) [LEDGERTRANS].[VOUCHER] -> [DocumentGL].[DocumentNo]
Document type**	Types of posted documents. (General Ledger documents. Ledger transaction table.)
Journal No*	Corresponding journal number. (General journal entry table.)
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01 (General Ledger documents date, depends on Trans date. AX 2009 and lower: Ledger transaction table. AX 2012: General journal entry table.) [LEDGERTRANS].[TRANSDATE] -> [DocumentGL].[PostedYearMonth]

* Attribute is available for AX 2012.
** Attribute is available for AX 2009 and lower.

Hierarchies

Name	Description
Document GL by type **	Document Type – Posted year month – Document No
Document GL*	Posted year month – Journal No – Document No

* Hierarchy is available for AX 2012.
** Hierarchy is available for AX 2009 and lower

3.26 Document Inventory

Attributes

Name	Description
Document No	Document Number. (Inventory management documents numbers. Inventory transaction table.) [INVENTTRANS].[VOUCHER] -> [DocumentInventory].[DocumentNo]
Entry Type	Types of posted documents. (Inventory management documents. Inventory transaction table.) [INVENTTRANS].[TRANSTYPE] -> [DocumentInventory].[EntryType] ** [INVENTTRANSORIGIN].[REFERENCECATEGORY]-> [DocumentInventory].[EntryType] *
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Inventory management documents date, depends on field Date financial. Inventory transaction table.) [INVENTTRANS].[DATEPHYSICAL] -> [DocumentInventory].[PostedYearMonth]

* AX 2012 and above
** AX 2009 and lower

Hierarchies

Name	Description

Document Inventory by Entry Type	Entry type – Posted year month – Document No

3.27 Document Inventory Invoice

All invoices regarding Inventory field.

Attributes

Name	Description
Document Number	Invoice number. (Inventory management invoices numbers. Inventory transaction table.) [INVENTTRANS].[INVOICEID] -> [DocumentInventoryInv].[DocumentNo]
Entry Type	Types of posted invoice. (Inventory management invoices. Inventory transaction table.) [INVENTTRANS].[TRANSTYPE] -> [DocumentInventoryInv].[EntryType]
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Inventory management invoice date, depends on field Date financial. Inventory transaction table.) [INVENTTRANS].[DATEPHYSICAL] -> [DocumentInventoryInv].[PostedYearMonth]

Hierarchies

Name	Description
Document Inventory Invoice by Type	Entry type – Posted year month – Document Number

3.28 Document Project

All documents which have been posted in the Project transactions table.

Attributes

Name	Description
Document No	[PROJTRANSPOSTING].[VOUCHER] -> [DocumentProject].[DocumentNo]
Document Type	Document type [PROJTRANSPOSTING].[PROJTRANSTYPE] -> [DocumentProject].[DocumentType]
Document Type Desc	[PROJTRANSPOSTING,Translation].[Description, PROJTRANSTYPE] -> [DocumentProject].[DocumentTypeDesc]
Posted Month	Month in which document was posted [PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedMonth]
Posted Month Desc	[PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedMonthDesc]
Posted Year	Year in which document was posted [PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedYear]
Posted Year Desc	[PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedYearDesc]
Posted Year Month	[PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedYearMonth]

Posted Year Month Desc	[PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostedYearMonthDesc]
Posting Date Desc	[PROJTRANSPOSTING].[PROJTRANSDATE] -> [DocumentProject].[PostingDateDesc]

Hierarchies

Name	Description
Document by Posting Date	Document type – Posted year month – DocumentNo
Document by Type	Document type – DocumentNo

3.29 Document Purchase

All posted purchase documents.

Attributes

Name	Description
Document No	Document Number. (Accounts payable documents numbers. Vendor invoice journal table.)
Document Type	Types of posted purchase documents. (Accounts payable documents. Vendor invoice journal table.) [VENDINVOICEJOUR, Translation].[PURCHASETYPE, Description] -> [DocumentPurchase].[DocumentTypeDesc]
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Accounts payable documents date, depends on Invoice date. Vendor invoice journal table.) [VENDINVOICEJOUR].[INVOICEDATE] -> [DocumentPurchase].[PostedYearMonthDesc]
Ship-to Code	From which vendor were the goods received. (AX 2009 and lower: Vend invoice jour and Vend table, depends on Order account field. AX 2012: Vendor invoice journal and dir party table.) [VENDINVOICEJOUR].[ORDERACCOUNT] -> [DocumentPurchase].[ShipToCode]
Ship-to Name	From which vendor were the goods received. (AX 2009 and lower: Vend invoice jour and Vend table, depends on Order account field. AX 2012: Vendor invoice journal and dir party table.) [VENDTABLE].[NAME] -> [DocumentPurchase].[ShipToName]

Hierarchies

Name	Description
Document Purchase by Type	Document type – Posted year month – Document number

3.30 Document Purchase Order

Attributes

Name	Description
Purchase Description	[PURCHTABLE].[PURCHNAME] -> [PurchaseOrder].[PurchaseDescription]
Purchase Order No	[PURCHTABLE].[PURCHID] -> [PurchaseOrder].[PurchaseOrderNo]
Purchase Order Status	[PURCHTABLE].[PURCHSTATUS] -> [PurchaseOrder].[PurchaseOrderStatus]

Purchase Order Status Desc	[Translation].[DescriptionDefault] -> [PurchaseOrder].[PurchaseOrderStatusDesc]
Purchase Order Type	[PURCHTABLE].[PURCHASETYPE] -> [PurchaseOrder].[PurchaseOrderType]
Purchase Order Type Desc	[Translation].[DescriptionDefault] -> [PurchaseOrder].[PurchaseOrderTypeDesc]
Status Existing	(0,1) ->[PurchaseOrder.StatusExisting]
Status Existing Desc	[Translation].[DescriptionDefault]-> PurchaseOrder].[StatusExistingDesc] (Deleted from source, Existing)
Purchase Order Orderer	[PURCHTABLE].[ORDERER] -> [PurchaseOrder].[Orderer]
Purchase Order Vendor Reference	[PURCHTABLE].[VENDORREF] -> [PurchaseOrder].[VendorRef]
Purchase Order Document State	[PURCHTABLE].[DOCUMENTSTATE] -> [PurchaseOrder].[DocumentState]

Hierarchies

Name	Description
Purchase Order by Status	Status - Purchase Order
Purchase Order by Type	Type - Purchase Order

3.31 Document Purchase Order Line

Attributes

Name	Description
Purchase Order Line Delivery Type	[PURCHLINE].[DELIVERYTYPE] -> [PurchaseLine].[DeliveryType]
Purchase Order Line No	[PURCHLINE].[LINENUMBER] -> [PurchaseLine].[PurchaseOrderLineNo]
Purchase Order Line Status	[PURCHLINE].[PURCHSTATUS] -> [PurchaseLine].[PurchaseOrderLineStatusDesc]
Purchase Order Line Text	[PURCHLINE].[NAME] -> [PurchaseLine].[Text]

3.32 Document Sales Invoice

All posted sales documents.

Attributes

Name	Description
Document Sales Invoice No	Document Number. (Accounts receivable documents number. Customer invoice journal table.)
Document Sales Invoice Type	Types of posted documents. (Accounts receivable documents. Customer invoice journal table.) [CUSTINVOICEJOUR].[SALESTYPE] -> [DocumentSales].[DocumentType]
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Accounts receivable documents date, depends on Invoice date field. Customer invoice journal table.) [CUSTINVOICEJOUR].[INVOICEDATE] -> [DocumentSales].[PostedYearMonth]
Document Sales Invoice Ship-to Code	To which customer were the goods shipped to. (AX 2009 and lower: Cust invoice jour and Cust table, depends on Invoice id field.

	AX 2012: Customer invoice journal and dir party table.) [CUSTINVOICEJOUR].[ORDERACCOUNT] -> [DocumentSales].[ShipToCode]
Document Sales Invoice Ship-to Name	To which customer were the goods shipped to. (AX 2009 and lower: Cust invoice jour and Cust table, depends on Invoice id field. AX 2012: Customer invoice journal and dir party table.) [CUSTTABLE].[NAME] -> [DocumentSales].[ShipToName]

Hierarchies

Name	Description
Document Sales Invoice by Type	Document type – Posted year month – Document number.

3.33 Document Sales Invoice Line

Attributes

Name	Description
Document Sales Invoice Line No	[CUSTINVOICETRANS].[LINENUM]
Document Sales Invoice Order No	[CUSTINVOICETRANS].[SALESID]

3.34 Document Sales Opportunity

Dimension is available from AX 2009 version on.

Attributes

Name	Description
Sales Opportunity	[SMMOPPORTUNITYTABLE].[OPPORTUNITYID] + [SMMOPPORTUNITYTABLE].[SUBJECT] -> [DocumentSalesOpportunity].[Opportunity]
Sales Opportunity Id	[SMMOPPORTUNITYTABLE].[OPPORTUNITYID] -> [DocumentSalesOpportunity].[OpportunityId]
Sales Opportunity Subject	[SMMOPPORTUNITYTABLE].[SUBJECT] -> [DocumentSalesOpportunity].[Subject]
Sales Opportunity Name*	[DIRPARTYTABLE].[NAME] -> [DocumentSalesOpportunity].[Name]
Sales Opportunity Status	[SMMOPPORTUNITYTABLE].[STATUS] -> [DocumentSalesOpportunity].[StatusDesc]
Sales Opportunity Owner*	[DIRPARTYTABLE].[NAME] -> [DocumentSalesOpportunity].[Owner]
Sales Opportunity Prognosis	[SMMOPPORTUNITYTABLE].[PROGNOSISID] -> [DocumentSalesOpportunity].[Prognosis]
Sales Opportunity Probability	[SMMOPPORTUNITYTABLE].[PROBABILITYID] -> [DocumentSalesOpportunity].[Probability]
Sales Opportunity Sales Unit	[SMMOPPORTUNITYTABLE].[SALESUNITID] -> [DocumentSalesOpportunity].[SalesUnit]
Sales Opportunity Sales Process	[SMMOPPORTUNITYTABLE].[PROCESSNAME] -> [DocumentSalesOpportunity].[SalesProcess]
Sales Opportunity Source Type	[SMMOPPORTUNITYTABLE].[SOURCETYPEID] -> [DocumentSalesOpportunity].[SourceType]

Sales Opportunity Source Id	[SMMSOURCETYPEOPTIONS].[NAME] + [SMMSOURCETYPEOPTIONS].[DESCRIPTION] -> [DocumentSalesOpportunity].[SourceId]
Sales Opportunity Source Notes	[SMMOPPORTUNITYTABLE].[SOURCEDESCRIPTION] -> [DocumentSalesOpportunity].[SourceNotes]
Sales Opportunity Opened by*	[DIRPARTYTABLE].[NAME] -> [DocumentSalesOpportunity].[OpenedBy]
Sales Opportunity Closed by*	[DIRPARTYTABLE].[NAME] -> [DocumentSalesOpportunity].[ClosedBy]
Sales Opportunity Reason	[SMMOPPORTUNITYTABLE].[REASON] -> [DocumentSalesOpportunity].[Reason]
Sales Opportunity Stage	[HIERARCHY].[DESCRIPTION] -> [DocumentSalesOpportunity].[Stage]
Sales Opportunity Date Lost	[SMMTRANSLOG].[REFDATE] -> [DocumentSalesOpportunity].[LostOpportunityDate]

*** Attribute is available from AX 2012 version on.**

Hierarchies

Name	Description
Sales Opportunity by Status	Sales Opportunity Status - Sales Opportunity
Sales Opportunity by Name	Sales Opportunity Name - Sales Opportunity
Sales Opportunity by Prognosis	Sales Opportunity Prognosis - Sales Opportunity
Sales Opportunity by Probability	Sales Opportunity Probability - Sales Opportunity
Sales Opportunity by Sales Unit	Sales Opportunity Sales Unit - Sales Opportunity
Sales Opportunity by Stage	Sales Opportunity Stage - Sales Opportunity
Sales Opportunity by Date Lost	Sales Opportunity Date Lost – Sales Opportunity

3.35 Document Sales Order

Attributes

Name	Description
Sales Order	[SALESTABLE].[SALESID, SALESNAME] -> [DocumentSalesOrder].[SalesOrderNoDesc]
Sales Order Description	[SALESTABLE].[SALESNAME] -> [DocumentSalesOrder].[SalesDescription]
Sales Order No	[SALESTABLE].[SALESID] -> [DocumentSalesOrder].[SalesOrderNo]
Sales Order Customer Reference	[SALESTABLE].[CUSTOMERREF]
Sales Order Customer Requisition	[SALESTABLE].[PURCHORDERFORMNUM]
Sales Order Status	[SALESTABLE].[SALESSTATUS]
Sales Order Type	[SALESTABLE].[SALESTYPE]
Sales Order Contact Person No	[CONTACTPERSON].[CONTACTPERSONID]
Sales Order Contact Person Name	[DIRPARTYTABLE].[NAME]
Sales Order Contact Person	[CONTACTPERSON].[CONTACTPERSONID] + [DIRPARTYTABLE].[NAME]
Sales Quotation No	[SALESTABLE].[QUOTATIONID] -> [DocumentSalesOrder].[SalesQuotationId]
Date Sales Quotation Won	[CUSTQUOTATIONCONFIRMJOUR].[QUOTATIONDATE] -> [DocumentSalesOrder].[DateSalesQuotationWon]

3.36 Document Sales Order Line

Attributes

Name	Description
Sales Order Line No	[SALESLINE].[LINENUM]
Sales Order Line Status	[SALESLINE].[SALESTYPE]
Sales Order Line Type	[SALESLINE].[SALESSTATUS]

3.37 Document Sales Quotation

Dimension is available from AX 4.0 version on.

Attributes

Name	Description
Sales Quotation	[SALESQUOTATIONTABLE].[QUOTATIONID] + [SALESQUOTATIONTABLE].[QUOTATIONNAME] -> [DocumentSalesQuotation].[QuotationNoDesc]
Sales Quotation Description	[SALESQUOTATIONTABLE].[QUOTATIONNAME] -> [DocumentSalesQuotation].[QuotationDescription]
Sales Quotation No	[SALESQUOTATIONTABLE].[QUOTATIONID] -> [DocumentSalesQuotation].[SalesQuotationNo]
Sales Quotation Status	[SALESQUOTATIONTABLE].[QUOTATIONSTATUS] -> [DocumentSalesQuotation].[QuotationStatus]
Sales Quotation Type	[SALESQUOTATIONTABLE].[QUOTATIONTYPE] -> [DocumentSalesQuotation].[QuotationType]
Sales Quotation Type of Sale	[SALESQUOTATIONTABLE].[QUOTATIONCATEGORY] + [SALESQUOTATIONTYPEGROUP].[DESCRIPTION] -> [DocumentSalesQuotation].[QuotationTypeOfSale]
Sales Quotation Customer Reference	[SALESQUOTATIONTABLE].[CUSTOMERREF]
Sales Quotation Customer Requisition	[SALESQUOTATIONTABLE].[CUSTPURCHASEORDER]
Sales Quotation Date Created	[SALESQUOTATIONTABLE].[CREATEDDATETIME]
Sales Quotation Date Confirmed	[SALESQUOTATIONTABLE].[CONFIRMDATE]
Sales Quotation Date Sent First time	[CUSTQUOTATIONSALESLINK].[QUOTATIONDATE]
Sales Quotation Date Sent Last time	[CUSTQUOTATIONSALESLINK].[QUOTATIONDATE]
Sales Quotation Opportunity Id	[SALESQUOTATIONTABLE].[OPPORTUNITYID]
Sales Quotation Reason Code	[SALESQUOTATIONTABLE].[REASONID]
Sales Quotation Sales Responsible	[SALESQUOTATIONTABLE].[WORKERSALESRESPONSIBLE]
Sales Quotation Sales Taker	[SALESQUOTATIONTABLE].[WORKERSALESTAKER]
Sales Quotation Contact Person No	[CONTACTPERSON].[CONTACTPERSONID]
Sales Quotation Contact Person Name	[DIRPARTYTABLE].[NAME]
Sales Quotation Contact Person	[CONTACTPERSON].[CONTACTPERSONID] + [DIRPARTYTABLE].[NAME]

Hierarchies

Name	Description
Sales Quotation by Type	Quotation Type – Quotation.
Sales Quotation by Type of Sale	Quotation Type of Sale – Quotation.
Sales Quotation by Status	Quotation Status – Quotation.

3.38 Document Vendor

All posted documents in vendor entry.

Attributes

Name	Description
Document Number	Document Number. (Accounts payable documents numbers. Vendor transaction table.) [VENDTRANS].[VOUCHER] -> [DocumentVendor].[DocumentNo]
Document Type	Types of posted documents. (Accounts payable documents. Vendor transaction table.) [VENDTRANS].[TRANSTYPE] -> [DocumentVendor].[DocumentType]
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Accounts payable documents date, depends on Trans date field. Vendor transaction table.) [VENDTRANS].[TRANSDATE] -> [DocumentVendor].[PostedYearMonth]

Hierarchies

Name	Description
Document Vendor by Type	Document type – Posted year month – Document number.

3.39 Document Vendor Invoice

All posted invoices in vendor entry.

Attributes

Name	Description
Document Number	Document number. (Accounts payable invoices numbers. Vendor transaction table.) [VENDTRANS].[INVOICE] -> [DocumentVendorInv].[DocumentNo]
Document Type	Types of posted invoices. (Accounts payable invoices. Vendor transaction table.) [VENDTRANS].[TRANSTYPE] -> [DocumentVendorInv].[DocumentType]
Posted Year Month	Grouping based on posting date on month level. Example: 2007 – 01. (Accounts payable invoice date, depends on Trans date field. Vendor transaction table.) [VENDTRANS].[TRANSDATE] -> [DocumentVendorInv].[PostedYearMonthDesc]

Hierarchies

Name	Description
Document Vendor Invoice by Type	Document type – Posted year month – Document number.

3.40 Due Analysis

Generic dimension to be used with measure payables balance to analyze due/over due balance.

Attributes

Name	Description
Due Days	Exact number of days for due / over due. (Due days are extracted from table Cust settlement and Cust trans table. They are calculated like difference between due date and selected date.) [sysobjects].[DueDays] -> [DueAnalysis].[DueDays]
Due Group	Groups that define time intervals (in days) for due/over-dues. Standard values (-60, -45, -30, -15, 0, 30, 60, 90, 120, 180, 365, over) [sysobjects].[Group2] -> [DueAnalysis].[Group2]
Due Overdue	Two groups which dived values into before due or over due. [sysobjects].[Group1] -> [DueAnalysis].[Group1]

Hierarchies

Name	Description
Due Analysis	Due overdue – Due group – Days due

3.41 Employee

All employees in the company.

Attributes

Name	Description
Employee	Employee code and name. (AX 2009 and lower: Basic → Common Forms → Employee Details. AX 2012: Human resources → Common → Workers → Employees → Name) [EMPLTABLE].[EMPLID, NAME] -> [Employee].[NoNameDesc]

3.42 Financial Dimension 1 – 15

Dimensions based on settings of financial dimensions in MS Dynamics AX. By default 3 global dimensions are visible, Cost center, Department and Purpose. BI4Dynamics AX supports any number of financial dimensions.

© BI4Dynamics UK, 2019. This document consists of 112 pages.

Attributes

Name	Description
Code	Financial dimension code. (AX 2009 and lower: General ledger → Common Forms → Dimensions AX 2012: General ledger → Setup → Financial dimensions)
Name	Value of specific financial dimension. (AX 2009 and lower: General ledger → Common Forms → Dimensions AX 2012: General ledger → Setup → Financial dimensions)

3.43 Forecast Model

Dimension with different models for forecasting and budgeting.

Attributes

Name	Description
Model	[FORECASTMODEL].[MODELID] -> [ForecastModel].[Model]
Model ID	Budget models which group budgets to specific period or [FORECASTMODEL].[MODELID] -> [ForecastModel].[ModelID]

3.44 Fixed Asset

Dimension with Fixed Asset

3.44.1 Attributes

Name	Description
Fixed Asset	[ASSETTABLE].[ASSETID] + [ASSETTABLE].[NAME] -> [FixedAsset].[FixedAsset] + [FixedAsset].[FixedDesc]
Fixed Asset Code	[ASSETTABLE].[ASSETID] -> [FixedAsset].[FixedAsset]
Fixed Asset Description	[ASSETTABLE].[NAME] -> [FixedAsset].[FixedAssetDesc]

3.45 Fixed Assets Group

Dimension with Fixed Assets Group

3.45.1 Attributes

Name	Description
Fixed Assets Group	[ASSETGROUP].[GROUPID] + [ASSETGROUP].[NAME] -> [FAGroup].[FAGroup] + [FAGroup].[FADesc]

3.46 Fixed Assets Transaction Type

Dimension with Fixed Assets Type

3.46.1 Attributes

Name	Description
Fixed Assets Transaction Type	[setup].[Translation]-> [FAType].[FAType] + [FAType].[FADesc]

3.47 Fixed Assets Location

Dimension with Fixed Assets Location

3.47.1 Attributes

Name	Description
Fixed Assets Location	[ASSETLOCATION].[LOCATION] + [ASSETLOCATION].[NAME] -> [FALocation].[FALocation] + [FALocation].[FADesc]

3.48 Fixed Assets Book

Dimension with Fixed Assets Book

3.48.1 Attributes

Name	Description
Fixed Assets Book	[ASSETBOOK].[BOOKID] -> [FABook].[FABook]
Fixed Assets Book Type	Depriciation Books and Value Model Books

3.49 Fixed Assets Status

Dimension with Fixed Assets Status

3.49.1 Attributes

Name	Description
Fixed Assets Status	[ASSETBOOKMERGE].[STATUS] -> [FAStatus].[FAStatus]

3.50 General Type

Dimension lets business users analyze complete posted sales and purchase transactions.

3.50.1 Attributes

Name	Description
General Type	List of transaction type defined by BI4Dynamics – please check table below.

Dimension is available from AX 2009 version on.

General type	Description (refers to transactions of posted sales or purchase documents)
Charges (Header)	Posted document header that contains ONLY information about Charges.
Discount (Header)	Posted document header that contains ONLY information about Discount.
Discount (Header) + Misc	Posted document header that contains information about Discount and Misc charges.
Free Text	Posted document lines on Procurement category with sales or purchase but without Charges.
Free Text + Charges (Line)	Posted document lines that contain ONLY information about Charges.
Item	Posted document lines that contain ONLY information about Item.
Item + Charges (Line)	Posted document lines that contain information about Item and Charges in the same line.
Misc	Posted document header that contains ONLY information about Misc charges.

3.51 GL Account

Dimension represents complete chart of accounts.

Attributes

Name	Description
Account Category*	Gl account category. (AX 2009 and lower: General ledger → Places → Chart of Accounts → Account category → Ledger table AX 2012: General ledger → Common → Main account → Main account category → Main account table)
Account Lvl 1	Different levels of GL accounts, depends on group of accounts. [help.GLAccount_30].[Group1Name] -> [GLAccount].[GroupCodeName1]
Account Lvl 2	Different levels of GL accounts, depends on group of accounts. [help.GLAccount_30].[Group2Name] -> [GLAccount].[GroupCodeName2]
Account Type	Description of account type. (General ledger → Common → Main Accounts → Main account type → Main account table) [Translation].[Description] -> [GLAccount].[AccountPlTypeDesc]
GL Account	General ledger account name. (AX 2009 and lower: General ledger → Places → Chart of Accounts →Ledger table AX 2012: General ledger → Common → Main account → Main account, Description → Main account table) [LEDGERTABLE].[ACCOUNTNUM,ACCOUNTNAME] -> [GLAccount].[NoNameDesc]
Ledger Posting Type	Description of GL account Ledger posting type. [Translation].[Description] -> [GLAccount].[LedgerPostingType]
Pl type **	Gl account type. (AX 2009 and lower: General ledger → Places → Chart of Accounts → Account type → Ledger table)

* Attribute is available from AX 2009 version on.
** Attribute is available for AX 2009 and lower.
*** Attribute is available for AX 2012

Hierarchies

Name	Description
Account by Account Category*	Account category – GL account
Account by pl type **	Pl type – GL account
Account by Type***	Account type → GL account
GL Account by Levels	Account level (1-7) – GL account

* Attribute is available from AX 2009 version on.
** Attribute is available for AX 2009 and lower.
*** Attribute is available for AX 2012

3.52 GL Budget

Information about all budgets so that the business user can specify which plan/budget/forecast to analyze with realization.

Attributes

Name	Description
Budget Model	Name of the budget. (AX 2009 and lower: General ledger → Common Forms → Ledger budget AX 2012: Budgeting → Setup → Budget models) [BUDGETMODEL].[MODELID, TXT] -> [GLBudget].[NameDesc]

3.53 Inventory Batch

Attributes

Name	Description
Company ID	[INVENTDIM].[INVENTDIMID] -> [InventoryBatch].[CompanyID]
Data Source ID	[INVENTDIM].[INVENTDIMID] -> [InventoryBatch].[DataSourceID]
Inventory Batch	[INVENTDIM,INVENTBATCH].[INVENTBATCHID, DESCRIPTION] -> [InventoryDimensions].[InventBatchCodeDesc]
Inventory Batch No	[INVENTBATCH].[INVENTBATCHID] -> [InventoryBatch].[InventBatchCode]
Inventory Batch Description	[INVENTBATCH].[DESCRIPTION] -> [InventoryBatch].[InventBatchDesc]
Item No	[INVENTBATCH].[ITEMID] -> [InventoryBatch].[ItemNo]

3.54 Inventory Dimensions

Attributes

Name	Description
Company ID	[INVENTDIM].[INVENTDIMID] -> [InventoryDimensions].[CompanyID]
Config Code Desc	[INVENTDIM].[CONFIGID] -> [InventoryDimensions].[ConfigCodeDesc]
Data Source ID	[INVENTDIM].[INVENTDIMID] -> [InventoryDimensions].[DataSourceID]
Invent Color Code Desc	[INVENTDIM, INVENTCOLOR].[INVENTCOLORID, NAME] -> [InventoryDimensions].[InventColorCodeDesc]
Invent Dim Code	[INVENTDIM].[INVENTDIMID] -> [InventoryDimensions].[InventDimCode]
Invent Location Code Desc	[INVENTDIM, INVENTLOCATION].[INVENTLOCATIONID, NAME] -> [InventoryDimensions].[InventLocationCodeDesc]
Invent Site Code Desc	[INVENTDIM, INVENTSITE].[INVENTSITEID, NAME] -> [InventoryDimensions].[InventSiteCodeDesc]
Item No	[INVENTDIM].[ITEMID] -> [InventoryDimensions].[ItemNo]
WMS Location	[INVENTDIM].[WMSLOCATION] -> [InventoryDimensions].[WMSLocation]
WMS Location Absolute Height	[WMSLOCATION].[ABSOLUTEHEIGHT] -> [InventoryDimensions].[WMSLocationAbsoluteHeight]
WMS Location Aisle ID	[WMSLOCATION].[AISLEID] -> [InventoryDimensions].[WMSLocationAisleID]
WMS Location Check Text	[WMSLOCATION].[CHECKTEXT] -> [InventoryDimensions].[WMSLocationCheckText]
WMS Location Depth	[WMSLOCATION].[DEPTH] -> [InventoryDimensions].[WMSLocationDepth]
WMS Location Height	[WMSLOCATION].[HEIGHT] -> [InventoryDimensions].[WMSLocationHeight]
WMS Location Input Blocking Cause ID	[WMSLOCATION].[INPUTBLOCKINGCAUSEID] -> [InventoryDimensions].[WMSLocationInputBlockingCauseID]
WMS Location Input Location	[WMSLOCATION].[INPUTLOCATION] -> [InventoryDimensions].[WMSLocationInputLocation]
WMS Location Level	[WMSLOCATION].[LEVEL] -> [InventoryDimensions].[WMSLocationLevel]
WMS Location Max Pallet Count	[WMSLOCATION].[MAXPALLETCOUNT] -> [InventoryDimensions].[WMSLocationMaxPalletCount]
WMS Location Max Volume	[WMSLOCATION].[MAXVOLUME] -> [InventoryDimensions].[WMSLocationMaxVolume]

WMS Location Max Weight	[WMSLOCATION].[MAXWEIGHT] -> [InventoryDimensions].[WMSLocationMaxWeight]
WMS Location Output Blocking Cause ID	[WMSLOCATION].[OUTPUTBLOCKINGCAUSEID] -> [InventoryDimensions].[WMSLocationOutputBlockingCauseID]
WMS Location Pallet Type Group ID	[WMSLOCATION].[PALLETTYPEGROUPID] -> [InventoryDimensions].[WMSLocationPalletTypeGroupID]
WMS Location Picking Area ID	[WMSLOCATION].[PICKINGAREAID] -> [InventoryDimensions].[WMSLocationPickingAreaID]
WMS Location Position	[WMSLOCATION].[POSITION] -> [InventoryDimensions].[WMSLocationPosition]
WMS Location Rack	[WMSLOCATION].[RRACK] -> [InventoryDimensions].[WMSLocationRack]
WMS Location Sort Code	[WMSLOCATION].[SORTCODE] -> [InventoryDimensions].[WMSLocationSortCode]
WMS Location Store Area ID	[WMSLOCATION].[STOREAREAID] -> [InventoryDimensions].[WMSLocationStoreAreaID]
WMS Location Type	[WMSLOCATION].[LOCATIONTYPE] -> [InventoryDimensions].[WMSLocationType]
WMS Location Volume	[WMSLOCATION].[VOLUME] -> [InventoryDimensions].[WMSLocationVolume]
WMS Location Width	[WMSLOCATION].[WIDTH] -> [InventoryDimensions].[WMSLocationWidth]
WMS Pallet	[WMSPALLET].[WMPALLETID] -> [InventoryDimensions].[WMSPallet]
WMS Pallet Height	[WMSPALLET].[HEIGHT] -> [InventoryDimensions].[WMSPalletHeight]
WMS Pallet RFID Tag ID	[WMSPALLET].[RFIDTAGID] -> [InventoryDimensions].[WMSPalletRFIDTagID]
WMS Pallet Type ID	[WMSPALLET].[PALLETTYPEID] -> [InventoryDimensions].[WMSPalletTypeID]

3.55 Inventory Serial

Attributes

Name	Description
Company ID	[INVENTDIM].[INVENTDIMID] -> [InventorySerial].[CompanyID]
Data Source ID	[INVENTDIM].[INVENTDIMID] -> [InventorySerial].[DataSourceID]
Inventory Serial	[INVENTDIM,INVENTSERIAL].[INVENTSERIALID, DESCRIPTION] -> [InventorySerial].[InventSerialCodeDesc]
Inventory Serial No	[INVENTSERIAL].[INVENTSERIALID] -> [InventorySerial].[InventSerialCode]
Inventory Serial Description	[INVENTSERIAL].[DESCRIPTION] -> [InventorySerial].[InventSerialDesc]
Item No	[INVENTSERIAL].[ITEMID] -> [InventorySerial].[ItemNo]

3.56 Inventory Size

Attributes

Name	Description
Company ID	[INVENTDIM].[INVENTDIMID] -> [InventorySize].[CompanyID]
Data Source ID	[INVENTDIM].[INVENTDIMID] -> [InventorySize].[DataSourceID]
Inventory Size	[INVENTDIM,INVENTSIZE].[INVENTSIZEID, NAME] -> [InventorySize].[InventSizeCodeDesc]

Inventory Size No	[INVENTSIZE].[INVENTSIZEID] -> [InventorySize].[InventSizeCode]
Inventory Size Description	[INVENSIZE].[NAME] -> [InventorySize].[InventSizeDesc]
Item No*	[INVENTSIZE].[ITEMID] -> [InventorySize].[ItemNo]

* Attribute is available from AX 3.0 to AX 2009 version.

3.57 Inventory Aging

Attributes

Name	Description
Aging Group	Groups that define aging intervals (Level 1)
Aging Group 2	Groups that define aging intervals (Level 2)
Age Days	Exact number of days for aging (Level 3)

3.58 Item

Dimension used to analyze items on different groups or for making reports on specific item.

Attributes

Name	Description
Item ABC Carrying Cost	Item carrying cost ranking. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code carrying cost → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[BCCarryingCost]
Item ABC Margin	Item margin ranking. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code margin → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCMargin]
Item ABC Revenue	Item revenue ranking. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code revenue → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCRevenue]
Item ABC Value	Item value ranking. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code revenue → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCValue]
Item Commission Group	Commission group for specific item. (AX 2009 and lower: Inventory management → Places → Items → General → Commission Group → Invent table) [INVENTTABLE, COMMISSIONSALESGROUP].[COMMISSIONGROUPID, NAME] -> [Item].[CommissionGroupCodeDesc]
Item Inventory dimension group *	Inventory dimension group for specific item. (AX 2009 and lower: Inventory management → Places → Items → Dimension group → Invent table)

Item product group	Product group for specific item. (AX 2009 and lower: Inventory management → Places → Items → Invent table AX 2012: Product information management → Common → Products → Products → Invent table)
Item	Item description + number. (AX 2009 and lower: Inventory management → Places → Items → Item number → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE].[ITEMID, ITEMNAME] -> [Item].[NoNameDesc]
Item Buyer Group	Buyer group for specific item. (Inventory management → Places → Items → General → Buyer group → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, INVENTBUYERGROUP].[ITEMBUYERGROUPID, DESCRIPTION] -> [Item].[ItemBuyerGroupCodeDesc]
Item Group	Inventory item group for specific item. (AX 2009 and lower: Inventory management → Places → Items → Item group → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, INVENTITEMGROUP].[ITEMGROUPID, NAME] -> [Item].[ItemGroupCodeDesc]
Item Product Group	[INVENTTABLE, PRODGROUP].[PRODGROUPID, NAME] -> [Item].[ProductGroupCodeDesc]
Item Type	Type of an item. (AX 2009 and lower: Inventory management → Places → Items → Item type → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ItemTypeDesc]
Item Vendor	From which Vendor is purchased item. (AX 2009 and lower: Inventory management → Places → Items → Vendor → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, VENDTABLE].[PRIMARYVENDORID, NAME] -> [Item].[VendorNoName]
Item Project Category Group	Project category group for specific item. (AX 2009 and lower: Inventory management → Places → Items → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, PROJCATEGORY].[PROJCATEGORYID, NAME] -> [Item].[ProjectCategoryGroupCodeDesc]
Item Procurement Category	Product information management → Common → Products → Products → Product Category → Procurement Category
Item No	[INVENTTABLE].[ITEMID] -> [Item].[No]
Item Description	[TRANSLATION].[NAME] -> [Item].[Description]
Item Base Unit of Measure	[TRANSLATION].[DESCRIPTION] -> [Item].[BaseUnitOfMeasureDesc]

Item Price Cost	[INVENTTABLEMODULE].[PRICE] -> [Item].[PriceCost]
Item Price Purchase	[INVENTTABLEMODULE].[PRICE] -> [Item].[PricePurchase]
Item Price Sell	[INVENTTABLEMODULE].[PRICE] -> [Item].[PriceSell]
Item Production Type	[TRANSLATION].[PMFPRODUCTTYPE] -> [Item].[PmfProductType]
Item Search Name	[INVENTTABLE].[NAMEALIAS] -> [Item].[SearchName]
Item Storage Dim Group	[ECORESTRACKINGDIMENSIONGROUP].[StorageDimGroup] -> [Item].[StorageDimGroup]
Item Tracking Dim Group	[ECORESTRACKINGDIMENSIONGROUP].[TrackingDimGroup] -> [Item].[TrackingDimGroup]
Item Product No**	[ECORESPRODUCT].[DISPLAYPRODUCTNUMBER] -> [Item].[ProductNo]
Item Product Name**	[ECORESPRODUCTTRANSLATION].[NAME] -> [Item].[ProductName]

* Attribute is available for AX 2009 and lower.
** Attribute is available from AX 2012 version on.

Hierarchies

Name	Description
Item by ABC Carrying Cost	ABC carrying cost – Item
Item by ABC Margin	ABC margin – Item
Item by ABC Revenue	ABC revenue – Item
Item by ABC Value	ABC value – Item
Item by Buyer Group	Item buyer group - Item
Item by Commission Group	Commission group - Item
Item by dimension group *	Inventory dimension group - Item
Item by Item Group	Item group – Item
Item by Product Group	Item product group - Item
Item by Project Category Group	Project category group - Item
Item by Type	Item type – Item
Item by Vendor	Item vendor – Item
Item by Procurement Category	Item Procurement Category - Item

* Hierarchy is available for AX 2009 and lower.

3.59 Item Buyer Group

Attributes

Name	Description
Buyer Group	Buyer group. (Inventory management → Setup → Inventory → Buyer groups → Invent buyer group table →Invent buyer group table) [INVENTBUYERGROUP].[GROUP, DESCRIPTION] -> [ItemBuyerGroup].[NoNameDesc]

3.60 Item dimension (1, 2, 3)

Item dimensions.

Attributes

Name	Description
Description	Value description of item dimension. (Inventory management → Setup → Dimensions → Item dimensions → Configuration, Size or Color

	AX 2009 and lower: Config table, Invent color and Invent size table AX 2012: Eco res configuration, Eco res color and Eco res size table)

3.61 Ledger Transaction Type

Dimension is used to analyze ledger transactions over different types.
Note: Dimension is available just for AX 2012.

Attributes

Name	Description
Transaction Type	Different transaction types. (None/Transfer/Sales order/Purchase order/…) [Translation].[GeneralJournalEntry, JournalCategory] -> [LedgerTransactionType].[Description]

3.62 Location

Dimension used to allocate goods and resources.

Attributes

Name	Description
Site*	Inventory site of a warehouse. (Invent location table.) [INVENTSITE].[SITEID, NAME] -> [Location].[InventSiteCodeDesc]
Location	On which warehouse are the goods located. (Item → Value entries or Item ledger entries → Location → table Location → Code, Name → Invent location table) [INVENTLOCATION].[INVENTLOCATIONID,NAME] -> [Location].[NoNameDesc]
WMS Location *	WMS Location Code + Description. (InventDim table) [INVENTDIM].[WMSLOCATIONID] + [WMSLOCATION].[CHECKTEXT] -> [Location].[WMSLocationCodeDesc]

* Attribute is available from AX 2009 version on.

Hierarchies

Name	Description
Location by Site*	Site – Location –WMS Location

* Hierarchy is available just for AX 2009 version.

3.63 Output

Dimension is used to analyze outputs for different outputs.

Attributes

Name	Description
ABC Carrying Cost	Carrying cost rank of an output. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code carrying cost → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCCarryingCost]

ABC Margin	Margin rank of an output. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code margin → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCMargin]
ABC Revenue	Revenue rank of an output. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code revenue → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCRevenue]
ABC Value	Value rank of an output. (AX 2009 and lower: Inventory management → Places → Items → Other → ABC – code revenue → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ABCValue]
Commission Group	Commission group for specific output. (AX 2009 and lower: Inventory management → Places → Items → General → Commission Group → Invent table) [INVENTTABLE, INVENTDIMGROUP].[DIMGROUPID, NAME] -> [Item].[CommissionGroupCodeDesc]
Inventory dimension group *	Inventory dimension group for specific output. (AX 2009 and lower: Inventory management → Places → Items → Dimension group → Invent table)
Output	Output description + number. (AX 2009 and lower: Inventory management → Places → Items → Item number → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE].[ITEMID,ITEMNAME] -> [Item].[NoNameDesc]
Output Buyer Group	Buyer group for specific output. (Inventory management → Places → Items → General → Buyer group → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE,INVENTBUYERGROUP].[ITEMBUYERGROUPID, DESCRIPTION] -> [Item].[ItemBuyerGroupCodeDesc]
Output Group	Inventory group for specific output. (AX 2009 and lower: Inventory management → Places → Items → Item group → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, PRODGROUP].[IITEMGROUPID, NAME] -> [Item].[ItemGroupCodeDesc]
Output Product Group	Product group for specific output. (AX 2009 and lower: Inventory management → Places → Items → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE,PRODGROUP].[PRODGROUPID,NAME] -> [Item].[ProductGroupCodeDesc]

Output Type	Type of an output. (AX 2009 and lower: Inventory management → Places → Items → Item type → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [Translation].[Description] -> [Item].[ItemTypeDesc]
Output Vendor	[INVENTTABLE, VENDTABLE].[PRIMARYVENDORID, NAME] -> [Item].[VendorNoName]
Project Category Group	Project category group for specific output. (AX 2009 and lower: Inventory management → Places → Items → Invent table AX 2012: Product information management → Common → Products → Products → Invent table) [INVENTTABLE, PROJCATEGORY].[PROJCATEGORYID, NAME] -> [Item].[ProjectCategoryGroupCodeDesc]

* Attribute is available for AX 2009 and lower.

Hierarchies

Name	Description
Output by ABC Carrying Cost	ABC carrying cost – Output
Output by ABC Margin	ABC margin – Output
Output by ABC Revenue	ABC revenue – Output
Output by ABC Value	ABC value – Output
Output by Buyer Group	Output buyer group – Output
Output by Commission Group*	Commission group – Output
Output by Dimension Group	Inventory dimension group – Output
Output by Item Group	Output group – Output
Output by Product Group	Output product group – Output
Output by Project Category Group	Project category group – Output
Output by Type	Output type – Output
Output by Vendor	Output vendor - Output

* Hierarchy is available just for AX 2009 version.

3.64 Packing Slip

Attributes

Name	Description
Packing Slip	[CUSTPACKINGSLIPTRANS].[PACKINGSLIPID, NAME] -> [PackingSlip].[PackingSlipNoName]

3.65 Payment Term

Attributes

Name	Description
Payment Term	[PAYMTERM].[PAYMTERMID] -> [PaymentTerm].[PaymentTermCode]

3.66 Posting Layer

Dimension is used to see which posting layer was used for specific transaction.

Attributes

Name	Description
Posting Layer	Different posting layers in general ledger. (AX 2009 and lower: General ledger → Chart of accounts → Transactions AX 2012: Current/Operations/Tax/…) [Translation].[Description] -> [PostingLayer].[Description]

3.67 Posting Type

Dimension is used to see which posting layer was used for specific transaction.
Note: Dimension is available just for AX 2012.

Attributes

Name	Description
Posting Type	Different posting types. [Translation].[Description] -> [PostingType].[Description]

3.68 Procurement Category

Dimension is used to see which procurement category is used for specific transaction.
Note: Dimension is available from AX 2012 version on.

Attributes

Name	Description
Procurement Category	Different procurement categories. [ECORESCATEGORY].[Name] -> [ProcurementCategory].[Group7Name]

Hierarchies

Name	Description
Line by Procurement Category	Line of Sales/Purchase document – Procurement Category

3.69 Production Employee

Dimension with production employees (people and machines).

Attributes

Name	Description
Employee	Employee number and name. (AX 2009 and lower: Shop Floor Control → Setup → Employee → Employee and Jmg employee table AX 2012: Human resources → Common → Workers → Hcm worker table) [EMPLTABLE].[EMPLID,NAME] -> [ProductionEmployee].[NoNameDesc]
Profile *	Employee working day profile. (Shop Floor Control → Setup → Employee → Employee and Jmg employee table)
Profile group *	Employee working day profile group. (Shop Floor Control → Setup → Employee → Employee and Jmg employee table)

* Attribute is available for AX 2009 and lower.

3.70 Production Error

Dimension is used to analyze production errors.

Attributes

Name	Description
Production Error	Error made during production of an item. (We get it from route transactions. Production route transaction table.) [Translation].[DescriptionDefault] -> [ProductionError].[ProductionErrorDesc]

3.71 Production Job

Dimension is used to analyze production jobs.

Attributes

Name	Description
Job Status	Status of a job. (Production route job table.) [Translation].[DescriptionDefault] -> [ProductionJob].[JobStatusDesc]
Job Type	Type of a job. (Production route job table.) [Translation].[DescriptionDefault] -> [ProductionJob].[JobTypeDesc]
Production Job	Production job number. (Production route job table.) [PRODROUTEJOB].[JOBID] -> [ProductionJob].[ProductionJobNo]

Hierarchies

Name	Description
Job by Type	Job type – Production job

3.72 Production Order

Dimension is used to analyze different production orders.

Attributes

Name	Description
Posting Type	Posting type of a production order. (Shop Floor Control → Setup → Employee → Setup → Production table) [PRODTABLE].[PRODPOSTINGTYPE, Description] -> [ProductionOrder].[ProdPostingTypeDesc]
Production Order	Production order number and description. (Shop Floor Control → Setup → Employee → Production table) [PRODTABLE].[PRODID, NAME] -> [ProductionOrder].[ProdOrderNoDesc]
Status	Status of a production order. (Production → Common Forms → Production Order Details → Production table) [PRODTABLE, Translation].[PRODSTATUS, Description] -> [ProductionOrder].[ProdStatusDesc]

Hierarchies

Name	Description

Production Order by Status	Status – Production order.
Production Order by Type	Posting type – Production order.

3.73 Production Pool

Dimension is used to analyze production pools.

Attributes

Name	Description
Production Pool	Production pool number and name. (Production → Setup → Production → Production pool → Production pool table) [PRODPOOL].[PRODPOOLID,NAME] -> [ProductionPool].[NoNameDesc]

3.74 Production Route

Attributes

Name	Description
Operation	Operation number and name. (Production → Common Forms → Route Details → Production route table) [PRODROUTE].[OPRNUM,OPRID] -> [ProductionRoute].[OperationNoDesc]
Operation no	Operation number. (Production → Common Forms → Route Details → Production route table)
Route Type	Type of a production route. (Production → Common Forms → Route Details → Production route table) [Translation].[Description] -> [ProductionRoute].[RouteTypeDesc]

Hierarchies

Name	Description
Operation by Route Type	Route type – operation.

3.75 Project

All base information of projects.

Attributes

Name	Description
Controller	[PROJTABLE,EMPLTABLE].[RESPONSIBLEFINANCIAL,NAME] -> [Project].[ResponResponFinName]
Customer	Customer description + number (Project →Common Form →Project Details) [PROJTABLE,CUSTTABLE].[CUSTACCOUNT,NAME] -> [Project].[CustomerCustName]
Project	Project description + number [PROJTABLE].[PROJID,NAME] -> [Project].[ProjectCodeName]
Project Group	Project group for specific project (Project →Common Forms →Project Details →Project group)

	[PROJTABLE, EMPLTABLE].[PROJGROUPID,NAME] -> [Project].[ProjGroupProjectGroupName]
Project Leader	[PROJTABLE,EMPLTABLE].[RESPONSIBLE,NAME] -> [Project].[ResponResponName]
Subsidy Code	[PROJTABLE,PROJSORTING].[SORTINGID,Description] -> [Project].[SortingSortingName]
Technology Group	[PROJTABLE,PROJSORTING].[SORTINGID2, DESCRIPTION] -> [Project].[SortingSortingName2]
Type of Project	[PROJTABLE,PROJSORTING].[SORTINGID3,NAME] -> [Project].[SortingSortingName3]
Project Date Created	[PROJTABLE].[CREATED] -> [Project].[ProjectDateCreated]

Hierarchies

Name	Description
Project by Applicant	Applicant - Project
Project by Controller	Controller – Project
Project by Customer	Customer – Project
Project by Project Group	Project Group - Project
Project by Project Leader	Project Leader – Project
Project by Subsidy Code	Subsidy Code – Project
Project by Technology Group	Technology Group – Project
Project by Type of Project	Type of Project - Project
Project by Date Created	Project Date Created - Project

3.76 Project Category

Attributes

Name	Description
Project Category	Category of a specific transaction (Category → Setup → Category)▪ [PROJCATEGORY].[CATEGORYID, NAME] -> [ProjectCategory].[CategoryCategoryDesc]
Project Category Group	Group in which categories are split up (Category → Setup → Category Group) [PROJCATEGORYGROUP].[NAME] -> [ProjectCategory].[ProjectCategoryGroupDesc]

Hierarchies

Name	Description
Project Category by Project Category Group	Project Category Group – Project Category

3.77 Project Cost Category

Attributes

Name	Description
Category	[PROJCATEGORY].[CATEGORYID] -> [ProjectCostCategory].[Category]
Category Category Desc	[PROJCATEGORY].[CATEGORYID,NAME] -> [ProjectCostCategory].[CategoryCategoryDesc]
Category Desc	[PROJCATEGORY].[NAME] -> [ProjectCostCategory].[CategoryDesc]

Project Cost Category Group	[PROJCATEGORYGROUP].[CATEGORYGROUPID] -> [ProjectCostCategory].[ProjectCostCategoryGroup]
Project Cost Category Group Desc	[PROJCATEGORYGROUP].[NAME] -> [ProjectCostCategory].[ProjectCostCategoryGroupDesc]
Transaction Type	[PROJCATEGORY].[CATEGORYTYPE] -> [ProjectCostCategory].[TransactionType]
Transaction Type Desc	[Translation].[Description] -> [ProjectCostCategory].[TransactionTypeDesc]

Hierarchies

Name	Description
Project Cost Category by Group	Group – Project Cost
Project Cost Category by Type	Type – Project Cost

3.78 Project Status

All statuses of projects

Attributes

Name	Description
Project Status	Project status for specific project (Project ‣ Common Forms ‣Project Details ‣Project status) [Translation].[OptionID] -> [ProjectStatus].[ProjectStatus]
Project Status Desc	[Translation].[Description] -> [ProjectStatus].[ProjectStatusDesc]
Project Status Project Status Desc	[Translation].[OptionID, Description] -> [ProjectStatus].[ProjectStatusProjectStatusDesc]

3.79 Project Transaction Type

Types of all project transactions.

Attributes

Name	Description
Project Transaction Type	Project type of a specific project (project transaction type -> Common Forms -> Project details -> Project transaction type [Translation].[OptionID] -> [ProjectTransactionType].[ProjectTransactionType]
Project Transaction Type Desc	[Translation].[DescriptionDefault] -> [ProjectTransactionType].[ProjectTransactionTypeDesc]

3.80 Project Type

Classification of project types. E.g. Time and Material, Investment, Cost, etc.

Attributes

Name	Description
Project Type	Project type for specific project (Project ‣ Common Forms ‣Project Details) [Translation].[OptionID] -> [ProjectType].[ProjectType]

Project Type Desc	[Translation].[Description] -> [ProjectType].[ProjectTypeDesc]
Project Type Project Type Desc	[Translation].[OptionID, Description] -> [ProjectType].[ProjectTypeProjectTypeDesc]

3.81 Purchase Pool

Attributes

Name	Description
Purchase Pool Code	[PURCHPOOL].[PURCHPOOLID] -> [PurchasePool].[PurchasePoolCode]
Purchase Pool Code Code Desc	[PURCHPOOL].[PURCHPOOLI,NAME] -> [PurchasePool].[PurchasePoolCodeCodeDesc]
Purchase Pool Code Desc	[PURCHPOOL].[NAME] -> [PurchasePool].[PurchasePoolCodeDesc]

3.82 Purchase Status

Attributes

Name	Description
Purchase Status Desc	[Translation].[Description] -> [PurchaseStatus].[PurchaseStatusDesc]
Purchase Status No	[Translation].[OptionID] -> [PurchaseStatus].[PurchaseStatusNo]

3.83 Purchase Type

Attributes

Name	Description
Purchase Type Desc	[Translation].[Description] -> [PurchaseType].[PurchaseTypeDesc]
Purchase Type No	[Translation].[OptionID] -> [PurchaseType].[PurchaseTypeNo]

3.84 Quotation Reject Reason

Attributes

Name	Description
Quotation Reject Reason	[SMMQUOTATIONREASONGROUP].[REASONID] -> [QuotationRejectReason].[QuotationRejectReason]

3.85 Quotation Status

Attributes

Name	Description
Quotation Status	[Translation].[Description] -> [QuotationStatus].[QuotationStatusDesc]

3.86 Quotation Type

Attributes

Name	Description
Quotation Type	[SMMQUOTATIONTYPEGROUP].[DESCRIPTION] -> [QuotationType].[QuotationTypeDesc]

© BI4Dynamics UK, 2019. This document consists of 112 pages.

3.87 Reason Code

Dimension is used just from AX 2009 version on.

Attributes

Name	Description
Code	Reason code. (Reason table.) [REASONTABLE].[REASON] -> [ReasonCode].[Code]
Reason	Reason. (Reason table and Reason table ref, depends on reason comment field.) [REASONTABLE].[REASON,DESCRIPTION] -> [ReasonCode].[NoNameDesc]
Trans Type	Type of a transaction. (Reason table, depends on Asset, Bank, Cust, Vend and Ledger field.) [REASONTABLE].[ASSET,BANK,CUST,VEND,LEDGER] -> [ReasonCode].[TransType]

Hierarchies

Name	Description
Reason by Transaction	Trans type – Code - Reason

3.88 Return Reason Code

Dimension used to analyze return reason codes and is used just from AX 2009 version on.

Attributes

Name	Description
Code Group	Return reason group. (Accounts receivable → Setup → Sales order → Returns → Return reason codes → Return reason code table) [RETURNREASONCODE].[REASONCODEGROUPID] -> [ReturnReasonCode].[CodeGroup]
Return Reason	Return reason. (Accounts receivable → Setup → Sales order → Returns → Return reason codes → Return reason code table) [RETURNREASONCODE].[REASONCODEID,DESCRIPTION] -> [ReturnReasonCode].[NoNameDesc]

Hierarchies

Name	Description
Return Reason by Group	Code group – Return reason

3.89 Sales Pool

Attributes

Name	Description
Sales Pool	[SALESPOOL].[SALESPOOLID] -> [SalesPool].[SalesPoolCode]

3.90 Sales Status

Attributes

Name	Description
Sales Status	[Translation].[Description] -> [SalesStatus].[SalesStatusDesc]

3.91 Sales Type

Attributes

Name	Description
Sales Type	[Translation].[OptionID] -> [SalesType].[SalesTypeNo]

3.92 Unit of Measure

Dimension of all Units of Measure from table UNIT/UNITOFMEASURE

Attributes

Name	Description
UMUnit	[UNITOFMEASURE].[UNITID] -> [UnitofMeasure].[UMUnit]
UMUnit Desc	[UNITOFMEASURETRANSLATION].[DESCRIPTION] -> [UnitofMeasure].[UMUnitDesc]
UM	UMUnit + UMUnitDesc

3.93 Vendor

All information regarding Vendor. We provide two level structure for dimension (Pay – to and Buy – from).

Attributes

Name	Description
Buy-from Vendor	From which vendor did we bought items. (From Vend table and Vend invoice jour table, depends on order account and invoice account.) [VENDTABLE].[ACCOUNTNUM,NAME] -> [Vendor].[BuyfromNoNameDesc]
Pay-to Country	From which country is the vendor. (Accounts payable → Common Forms → Vendor Details → Addresses) [COMPANY, VENDTABLE, LOGISTICSPOSTALADDRESS] .[CompanyID,CountryCode,CountryName,COUNTRYREGIONID] -> [Vendor].[PaytoCountryCodeDesc]
Pay-to Vendor	From which vendor did we get the invoice. (From Vend table and Vend invoice jour table, depends on order account and invoice account.) [VENDTABLE].[NAME,ACCOUNTNUM] -> [Vendor].[PaytoNoNameDesc]
Pay-to Vendor Group	Group of specific group. (Accounts payable → Common Forms → Vendor Details → Group) [VENDTABLE, VENDGROUP].[VENDGROUP, NAME] -> [Vendor].[PaytoVendorGroupCodeDesc]
Pay-to Vendor Markgroup	Mark group of specific vendor. (Accounts payable → Common Forms → Vendor Details.)

	[VENDTABLE, MARKUPGROUP].[MARKUPGROUP, TXT] -> [Vendor].[PaytoVendorMarkgroupCodeDesc]
Pay-to Vendor Price Group	Price group of specific vendor. (Accounts payable → Common Forms → Vendor Details → Purchase order) [VENDTABLE, PRICEDISCGROUP].[PRICEGROUP, NAME] -> [Vendor].[PaytoVendorPriceGroupCodeDesc]
Pay-to Vendor Segment Group*	Segment group of specific vendor. (Accounts payable → Common Forms → Vendor Details → General) [VENDTABLE,SMMBUSRELSEGMENTGROUP].[SEGMENTID, DESCRIPTION] -> [Vendor].[PaytoVendorSegmentGroupCodeDesc]
Pay-to Vendor Sub Segment Group*	Sub segment group of specific vendor. (Accounts payable → Common Forms → Vendor Details → General) [VENDTABLE,SMMBUSRELSUBSEGMENTGROUP].[SEGMENTID, DESCRIPTION] -> [Vendor].[PaytoVendorSubSegmentGroupCodeDesc]

* Attribute is available from AX 2009 version on.

Hierarchies

Name	Description
Vendor by Country	Pay to country – Pay to vendor – Buy from vendor
Vendor by Markgroup	Pay to markgroup – Pay to vendor – Buy from vendor
Vendor by Price Group	Pay to vendor price group – Pay to vendor – Buy from vendor
Vendor by Segment Group	Pay to vendor segment group – Pay to vendor su segment group – Pay to vendor – Buy from vendor
Vendor by Vendor Group	Pay to vendor group – Pay to vendor – Buy from vendor

3.94 Vendor customer

Dimension of all contacts, customers and vendors.
Note: Just for AX 2009 and lower.

Attributes

Name	Description
Type	Type of contact, customer or vendor.
Country	Country of contact. (Combination of vendor and customer origin countries. Customer or vendor table.)
Contact	Name of contact. (Combination of vendor and customer names. Customer or vendor table.)

Hierarchy

Name	Description
Contact by Country	Type – Country – Contact
Contact by Type	Type – Contact

4 APPENDIX

4.1 SALES BENEFITS CALCULATION

Introduction

The purpose of this feature is to calculate different benefits based on posted sales as these Benefits don't show on posted invoice. Samples of Benefits are:

- Bonus calculation
- Super-rebate
- Patent fee
- Brand fee

These values are calculated periodically based on sales volume (quantity or/and amount) and fee that is agreed with recipient of these Benefits.

Recipients of Benefits are:

Recipient	Benefit type	Document for recipient
Customer	Super-rebate	Sales Credit note
Any third party that would be treated as Vendor	Brand fee collector Patent-fee	Purchase Invoice

Document for recipient is created manually entering one line by data from BI4Dynamics AX Sales cube.

Advantages

Using Benefits in BI4Dynamics AX has few advantages:

- As information is available in Excel pivot table it is easy to send it as appendix to your partner, who is receiving benefits.
- BI4Dynamics AX can calculate not only standard measure Profit but also new measure like Profit 2 (Profit-Benefits) or some measure that you may find interesting to analyze by customer / item / date.
- By changing rules in Benefit setup you can re-calculate BENEFITs again, also for historical data.

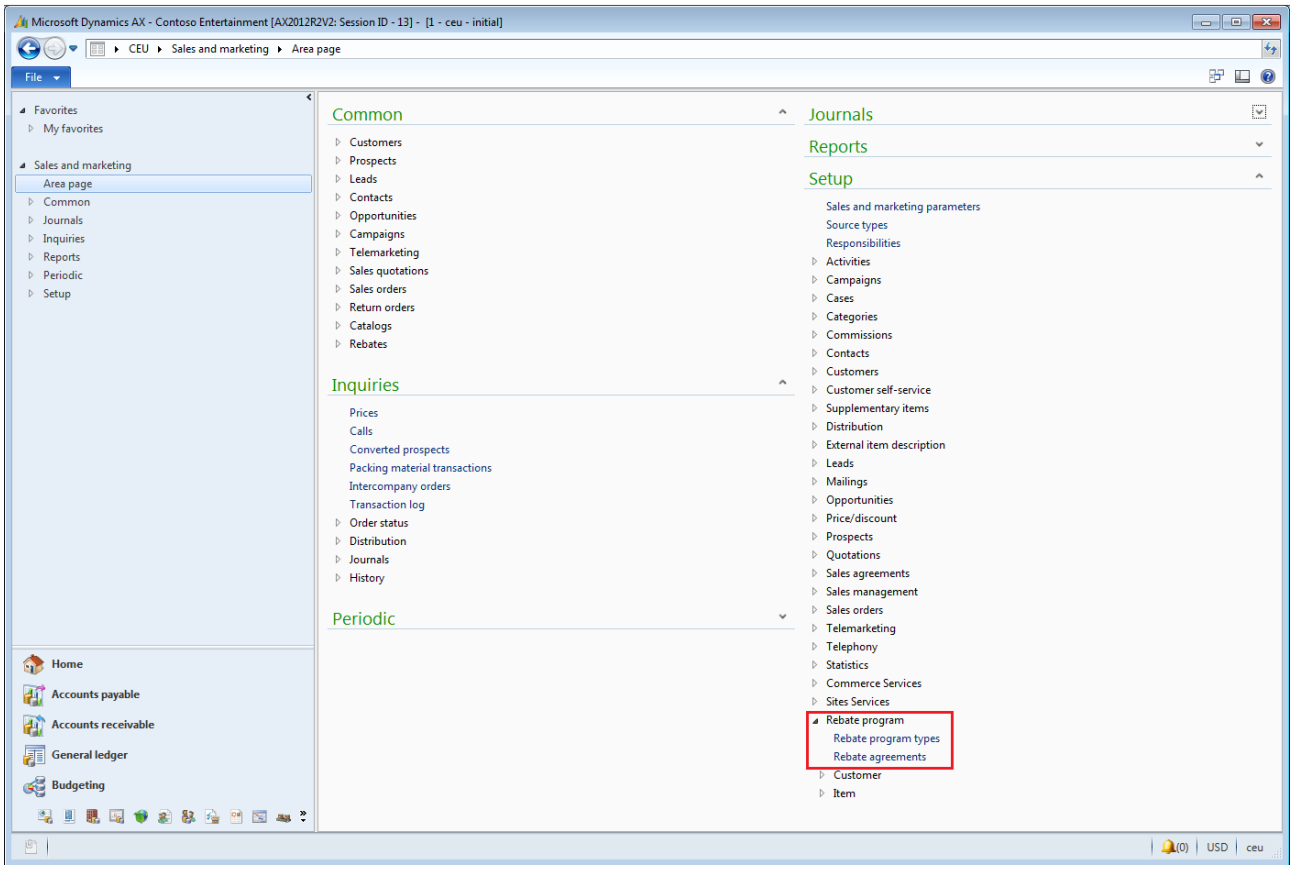
Following measures are available:

- Sales Benefits
- Sales Benefits Posted
- Sales Profit inc Benefits
- Sales Profit inc Benefits %
- Sales Cost inc Benefits

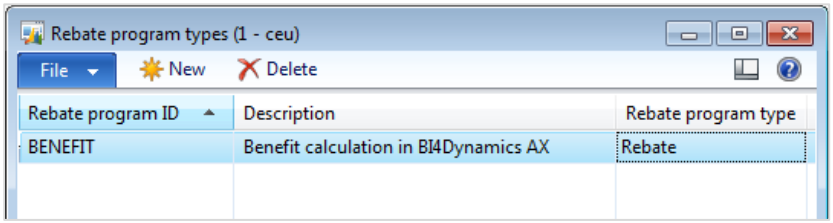
Microsoft Dynamics AX setup

Posted sales information are in BI4Dynamics AX sales cube. Easiest way to manage Benefit calculation is to use standard Microsoft Dynamics AX Rebate agreements and develop functionality in BI4Dynamics AX Sales cube.

© BI4Dynamics UK, 2019. This document consists of 112 pages.



Instead of calculating Benefits manually, we suggest to set-up rules for Rebate agreement "BENEFIT" in Microsoft Dynamics AX. We expect user can cover business rules with AX Rebate agreement set-up as this part is very flexible. User create a very flexible set-up of customers, items, quantities, percentages and all that is used for BENEFIT calculation. These Rebate agreement are not used for operational invoicing. We suggest that a specific trade agreement code "BENEFIT" is used.

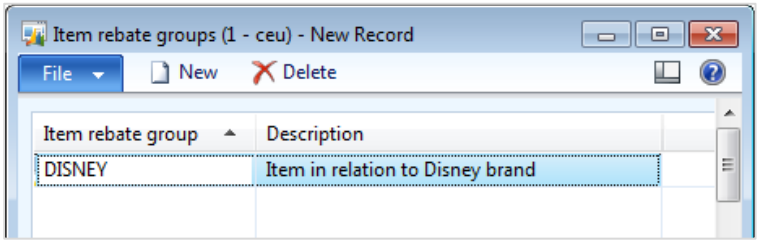


Users can set-up according to specific business rules that may be different from partner to partner or same accros inventory.

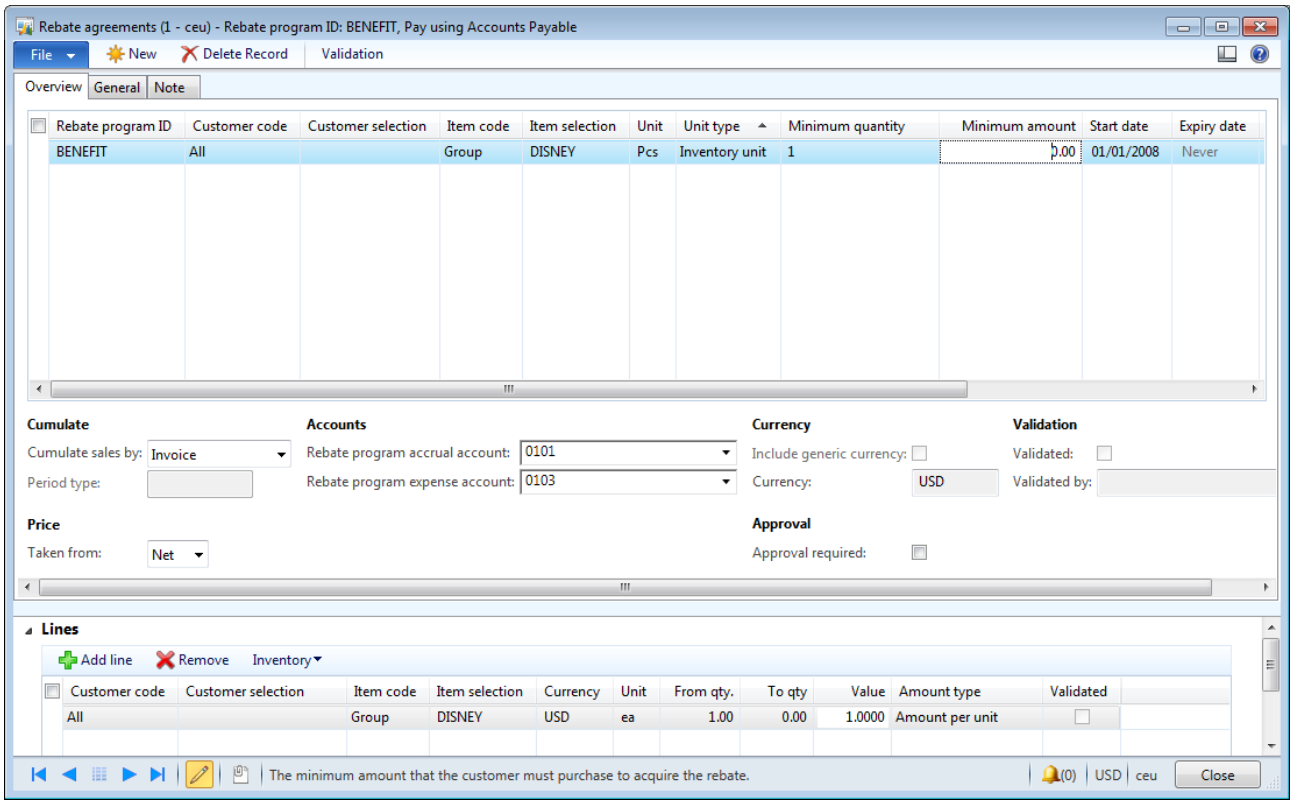
BI4Dynamics AX setup

There is no specific setup in BI4Dynamics AX. Default Rebate agreement name is "BENEFIT". If customer is using other name to calculate Benefits, this has to be changed.

Example 1: Paying Brand fee to Disney



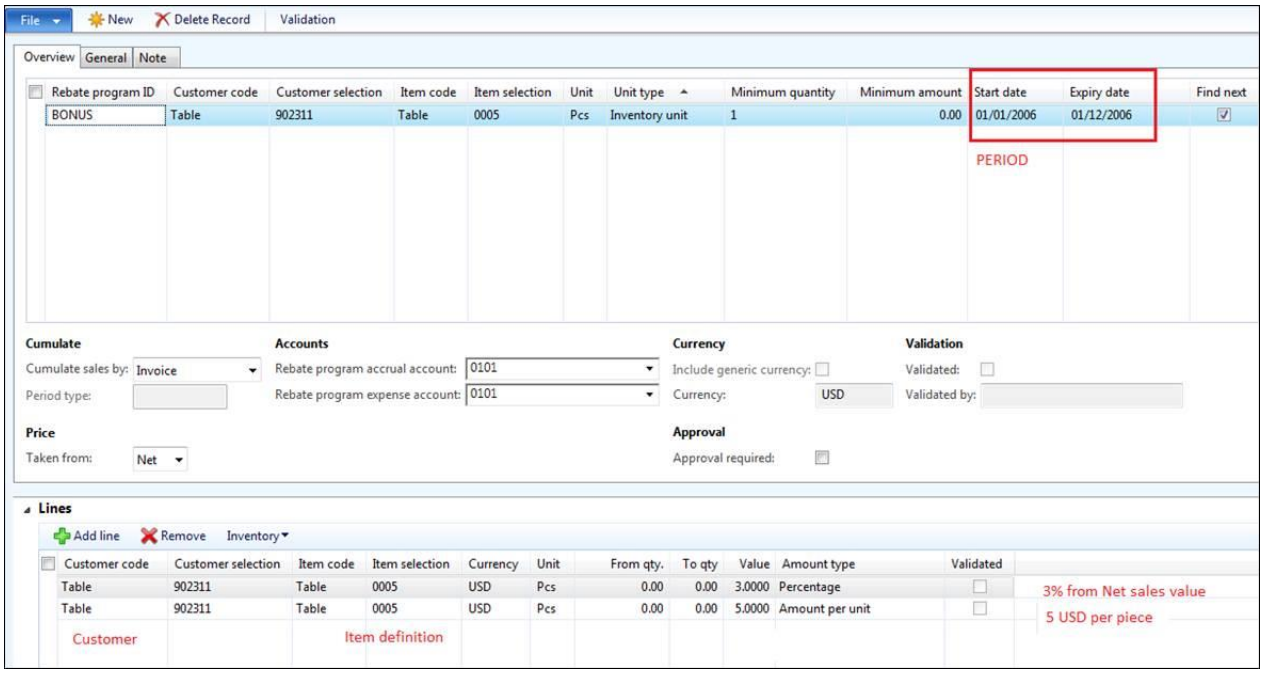
For every item in Disney item rebate group sold, company will pay 1 USD to holder of Disney license:



Example 2: Customer / item combination

AX user needs to put business agreement (calculation) for Benefits into Rebate agreements. In this case customer is using Rebate agreement BONUS, not BENEFIT as predefined in BI4Dynamics AX setup and this needs to be changed.

This is an example of one customer / item combination where I have set rebate base as percentage of sales and amount per unit:



In real life you would probably have one of this option per Customer / Item or Item rebate group.