Excel4apps GL Wand
User Guide (SAP)

excel4apps
Excel based solutions for SAP

Wands

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1 Quickstart Guide

Phase	Step	Action	User Guide Sections
Evaluate GL Wand on our online IDES system	1. Install GL Wand add-in on PC.	Unzip the downloaded file and double click e4awand_sap(version).exe. This will install the GL Wand (SAP) add-in on your PC and launch SAP Demo.xls.	PC Installation
	2. Log into our online IDES system via the internet.	Log on to our hosted IDES server. Use the logon credentials supplied in our welcome email to access our online IDES system.	Logging On
	2.1 Refresh sample sheets, Drill to detail; learn GL Wand functionality with provided example.	Using SAP Demo.xls and the instructions on the sheets spend some time experimenting and learning.	Using GL Wand
Evaluate GL Wand on your own SAP system with a full use trial	3. Copy GL Wand transports to your SAP development server.	Typically the task of importing the transports will be performed by your SAP BASIS administrator. There is one required and one optional transport.	Server Installation
	4. Logon on to SAP with GL Wand and request a trial key.	The first user connecting with GL Wand will be assigned Wand Administrator privileges allowing them to enter license keys, manage users and set system wide options.	Logging on
	5. Login to your own company code data and start building reports.	Experience a faster connection to your server, and see your own Company code data. Using your own user name and password logon and start building your own reports.	Toolbar
	6. Grant additional users access to the trial	Grant additional SAP users access to GL Wand full use trial	Administrator: Add Users
Purchase and fully deploy GL Wand software.	If you are thinking of buying a license, obtain a quote through an accredited partner or directly from us.	Visit www.excel4apps.com or request a quote in the buy section of the website.	
	Enter full use license keys into production system.	Enter license keys to cater for production and development systems. Stop seeing the pop-up window.	License Key
	Set Site Options to control GL Wand user access and online upgrades.	Configure options while logged in as a GL Wand Administrator to control user access and various other options.	Site Options

2 System Requirements

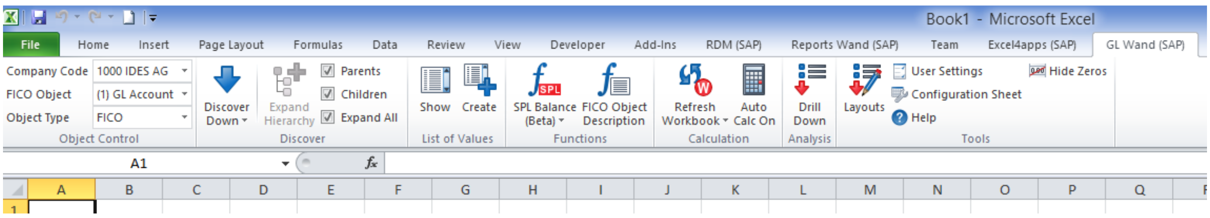
Component	Requirements
Computer and processor	1000 MHz or faster processor
Memory	2 GB
Operating system	Windows XP, Vista, 7, 8, 10
Office	2007 **SP3**, 2010 **SP1**, 2013, 2016*, .NET Programmability
.NET Framework	2.0 and 4.0 CP
SAP .Net Connector	3.0.17.1
Excel4apps Server Transport	4.45
SAP	ECC6

*** Note: For Excel 2016 support, Microsoft has provided a workaround to the calculation issue that was introduced with the release of Excel 2016. This workaround for the Microsoft issue requires pre-existing workbooks to be opened, saved, closed and Excel to be restarted for the previous workbooks to be able to be used in Excel 2016.**

3 Using GL Wand

3.1 Toolbar

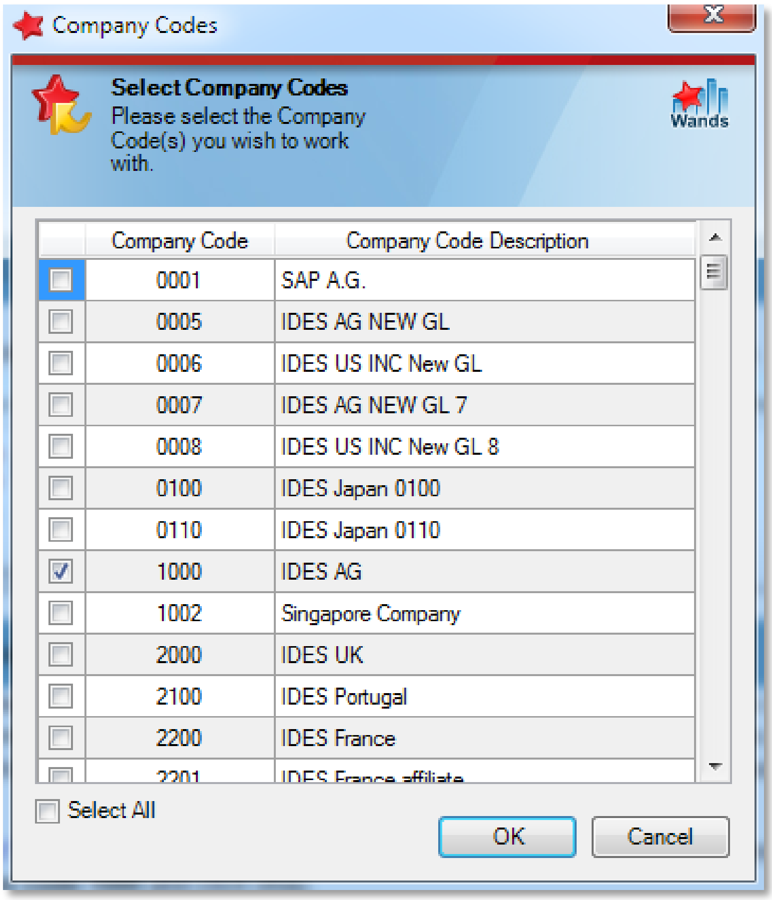
The GL Wand toolbar gives you access to all the functionality of GL Wand.



3.2 Shortcut keys

Shortcut keys can be used in place of the mouse to perform GL Wand operations using the new Excel Ribbon easy-to-remember keyboard shortcuts. These are activated by simply pressing the Alt key and the next available shortcut is displayed which you can use by typing the shortcut.

3.3 Logging on



Logging on to SAP is now initiated through the Excel4apps Connector for SAP. Please refer to the Excel4apps Connector for SAP user guide for help with regards to logging on.

When you logon using the Excel4apps Connector for SAP and if you have been selected as a GL Wand user by the Wand Administrator you will be presented with a list of company codes if you are authorized to view them.

Select one or more company's individually (or the Select All checkbox to select All) and click Ok. Click an item to select it and click it again to unselect it.

Once you click Ok you will see the Master Data being synchronizing.

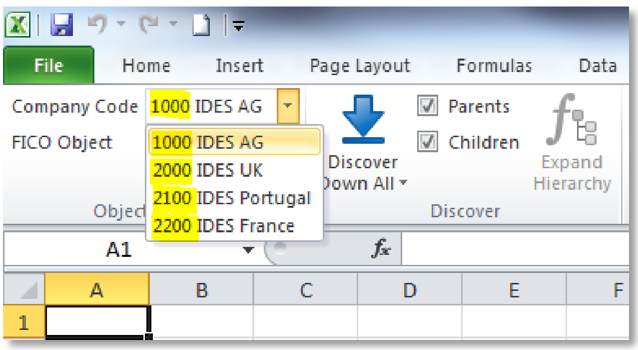
3.4 Company Code selector

Once you have logged on, the Company Code list and FICO object list dropdowns will be populated.

Note: These selectors are used with the Discover functions. It is important to have the appropriate company code and FICO object selected.

3.4.1 Company Code list

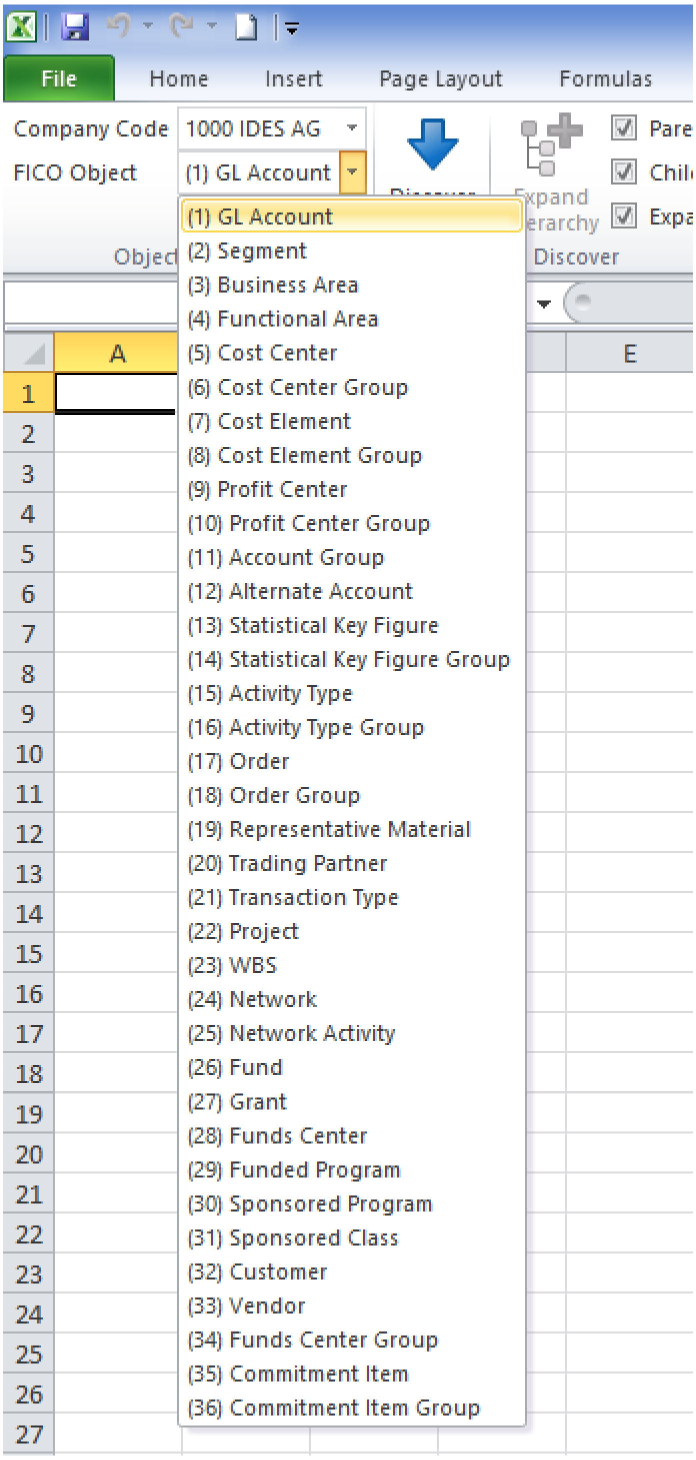
The company code drop down list can be used to select the company code that you wish to work with. If you log on to a single company code this dropdown list will contain a single value only.



The highlighted numbers indicate the Company code. This number can be used in various GL Wand formulas and other functionality in order to obtain information from a specific Company code.

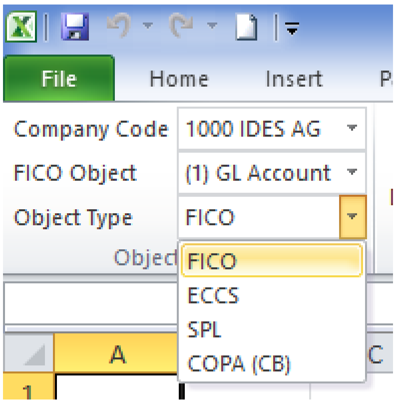
3.4.2 FICO object list

This dropdown list will be populated with a list of FICO objects. The number in brackets indicates the Object identifier.



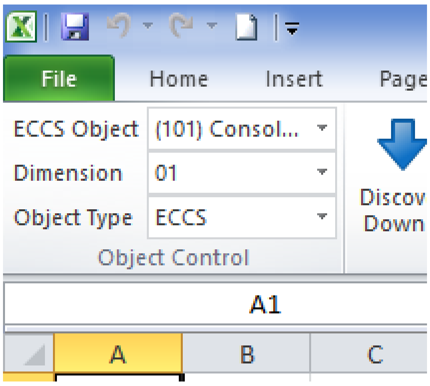
In the example shown the selected FICO object is “GL Account” and it is identified as FICO object 1. Certain dynamic functions require the FICO Object number as an input parameter.

3.4.3 Object Type



The object type selector will determine which kind of objects that you will either discover or show list of values for. If you do not make use of the ECCS, SPL or COPA reporting functionality you may ignore the object type selector and it will always default to FICO.

If you change the object type GL Wand will automatically update the object selector drop down lists. If you select ECCS the consolidation object type is then available for selection in the first drop down list. If you subsequently select a particular ECCS object that is dependent on another ECCS object type the dependent object type values are shown for selection in the second object selector drop down list. For example, if one selects the consolidation group object it is dependent on the consolidation dimension chosen and the dimension is then made available for selection.



If you choose the SPL (Special Purpose Ledger) from the object type selector then the SPL table group is available for selection in the first drop down list and the SPL fields configured for that table group are then made available in the second drop down list. Similarly, if you select the costing based COPA option then the operating concern is available for selection in the first drop down list and the COPA fields configured for that operating concern are then made available in the second drop down list.

3.5 Discovering

The discover tools allow you to extract FICO, ECCS and SPL values to populate Excel cells with this information. The following information can be retrieved.

FICO Object number	FICO Object Description
1	GL Account
2	Segment
3	Business Area
4	Functional Area
5	Cost Center
6	Cost Center Group
7	Cost Element
8	Cost Element Group
9	Profit Center
10	Profit Center Group
11	Account Group
12	Alternate Account
13	Statistical Key Figure
14	Statistical Key Figure Group
15	Activity Type
16	Activity Type Group
17	Order
18	Order group
19	Representative Material
20	Trading Partner
21	Transaction Type
22	Project
23	WBS
24	Network
25	Network Activity
26	Fund
27	Grant
28	Funds Center
29	Funded Program
30	Sponsored Program
31	Sponsored Class
32	Customer
33	Vendor
34	Funds Center Group
35	Commitment Item
36	Commitment Item Group

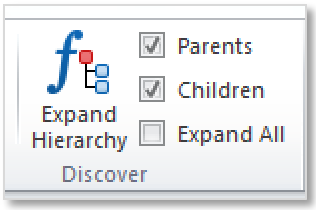
For the FICO objects that represent groups or projects you can use the expand hierarchy functionality to choose whether to retrieve child values, parent values or both.

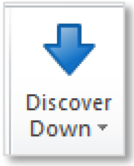
ECCS Object number	ECCS Object Description
100	Dimension
101	Consolidation Group
102	Consolidation Unit
103	Consolidation COA

104	Financial Statement Item
105	Subitem Category
106	Subitem
107	Company
108	Posting Level
109	Apportionment
110	Translation
111	Consolidation Document Type
112	Investee Unit
113	Partner Unit

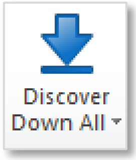
SPL (Special Purpose Ledger) and costing based COPA objects that can be discovered are dependent on your SPL and COPA configuration setup in your SAP system.

3.5.1 Discover FICO Object Values

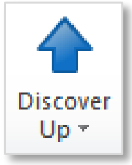




- Discover Down

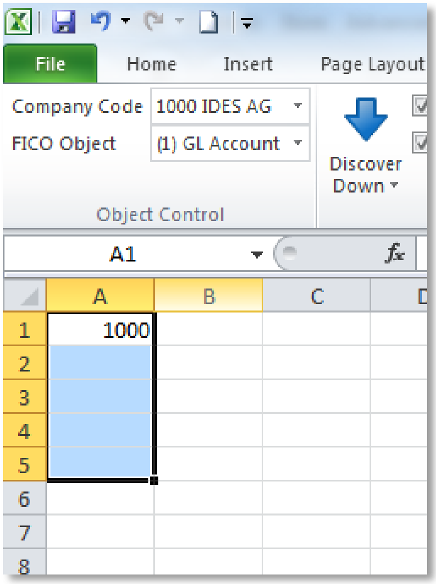


- Discover Down All

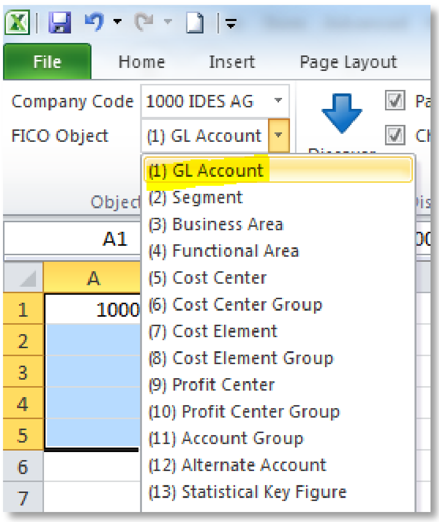


- Discover Up

1. Select a cell and enter a valid starting FICO Object value e.g. “1000” into the cell.



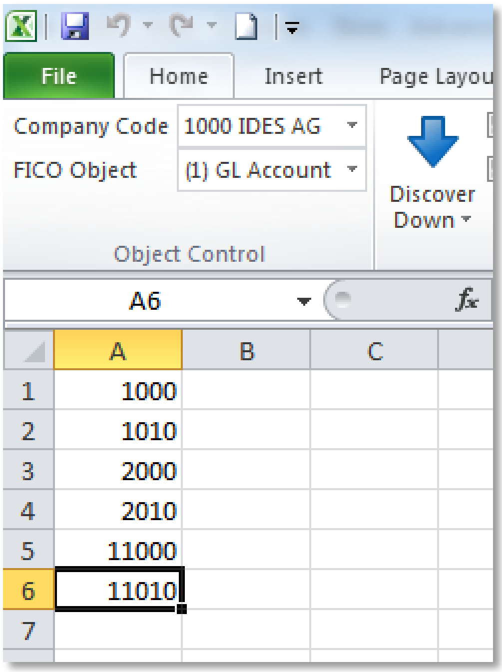
2. Choose the relevant FICO Object from the FICO Object list e.g. “GL Account”.



3. Now click the “Discover Down” button.

- Discover Down

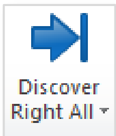
GL Wand finds the next valid FICO Object value, in this example, the next GL account number after account “1000” and enters this value in the cell below the one that you started in.



In the same way you can click the up arrow and the previous FICO Object value will be entered in the cell above the one that you started in.

- Discover Left

- Discover Right



- Discover Right All

The left and right arrows work in a similar manner, retrieving the next and previous FICO values but they populate the cells to the left and right of the cell that you start in.

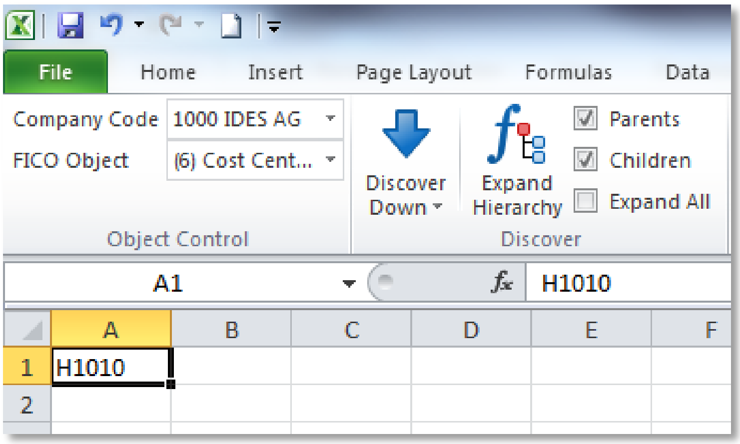
- You do not need to discover FICO Object values one at a time.
- You can enter a starting FICO Object value, choose the FICO Object from the FICO Object list and then highlight a range of cells.
- When you click one of the discover buttons now, GL Wand fills the selected range with the next or previous FICO Object values depending on which arrow you click on.
- The Discover Down **All** and Discover Right **All** buttons can be used to retrieve all the FICO Object values in one operation.

3.5.2 Expand Hierarchy

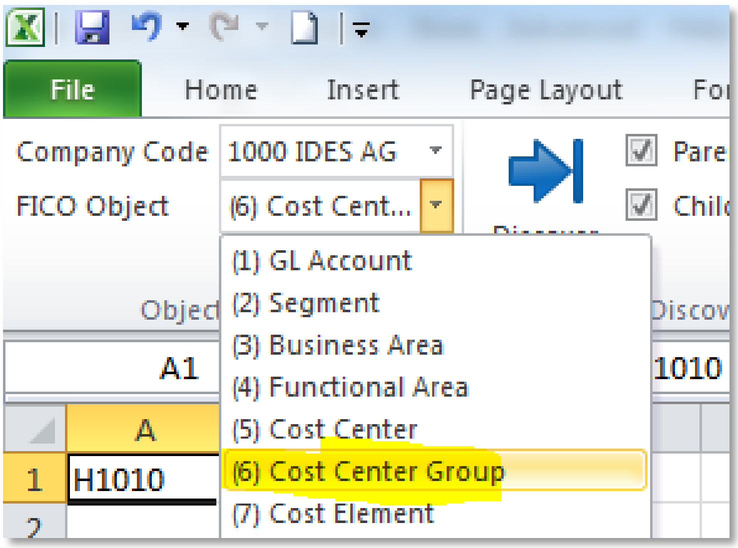
- Expand Hierarchy

The “Expand Hierarchy” button can be used to show the values that are assigned to a particular group. As an example, one can use the “Expand Hierarchy” button to list all the profit centers and profit center groups in the standard hierarchy if you selected the standard hierarchy group. In this case, the profit center groups are referred to as parents and the profit centers themselves are referred to as children.

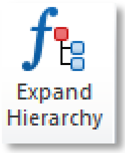
1. Select a cell that has a Group or Project FICO Object value in it. For this example we are using the **H1010** Cost Center Group.



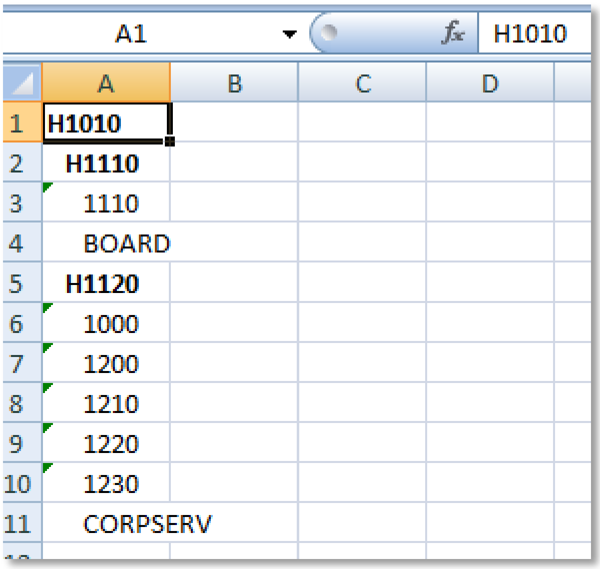
2. Make sure the applicable FICO object is selected. In this case **Cost Center Group** as H1010 is a cost center group.



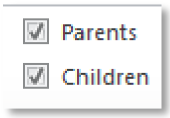
3. Then click the Expand Hierarchy button.



4. The hierarchy will be then be inserted below. The bold items are cost center groups themselves (parents) and the standard text items are the cost centers within those groups.



3.5.3 Change Expand Level



- Change expand level

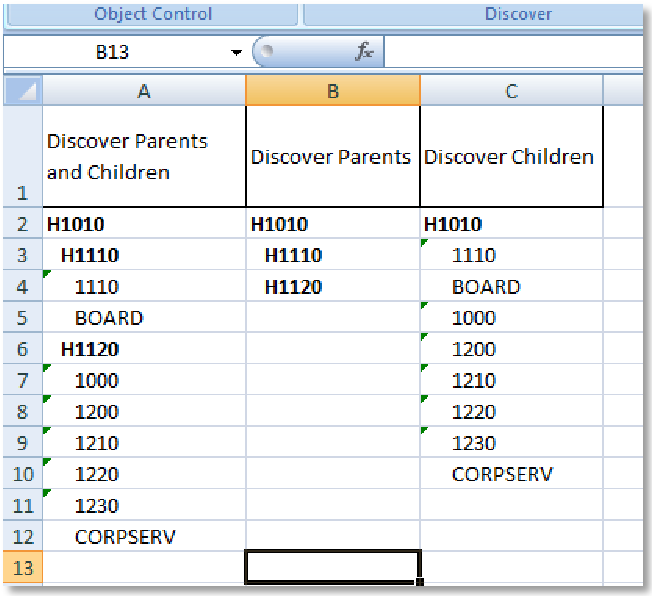
The “Expand level” check boxes are used to restrict the FICO Object values that are returned by the expand hierarchy tool to parent values only, child values only or both parent and child values.

For example,

1. Select a cell and enter a starting FICO Object value.
2. Choose the FICO Object from the FICO Object list.
3. Click the “Parents” check box only.
4. Now click the “Expand Hierarchy” button.

GL Wand populates the next FICO Object values but skips all child values and returns only parent values. Similarly, child values can be expanded by clicking the “Children” check box.

If you want to expand both parents and children then select both the “Parents” and “Children” check boxes.



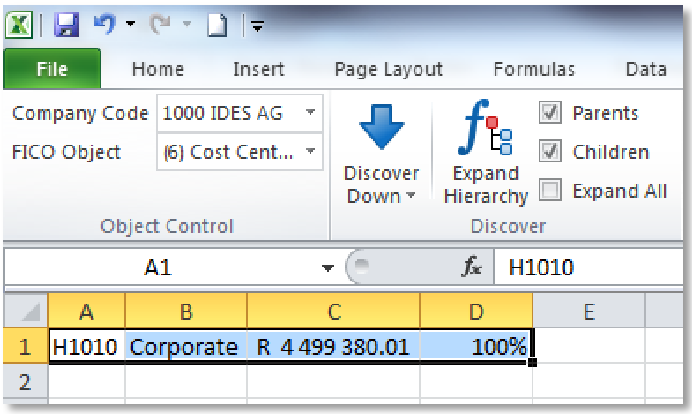
All FICO Object values must be entered using the Excel text format. Either format the cell using the text number format or enter the cell value using the apostrophe ‘ character which marks the contents of the cell as text e.g. if you want to enter the FICO Object value 001 enter it as follows ‘001.

3.5.4 Expand with Formulas

You are also able to Expand formulas with the Hierarchy. Using the cost center group H1010 example again, insert the Get Object Description for the group in cell B1, as well as the Get CCA balance formula and you can even insert any other Excel formula. In the example shown the formula in D1 is the percentage of the value in column C of the total in cell C1.

Formulas

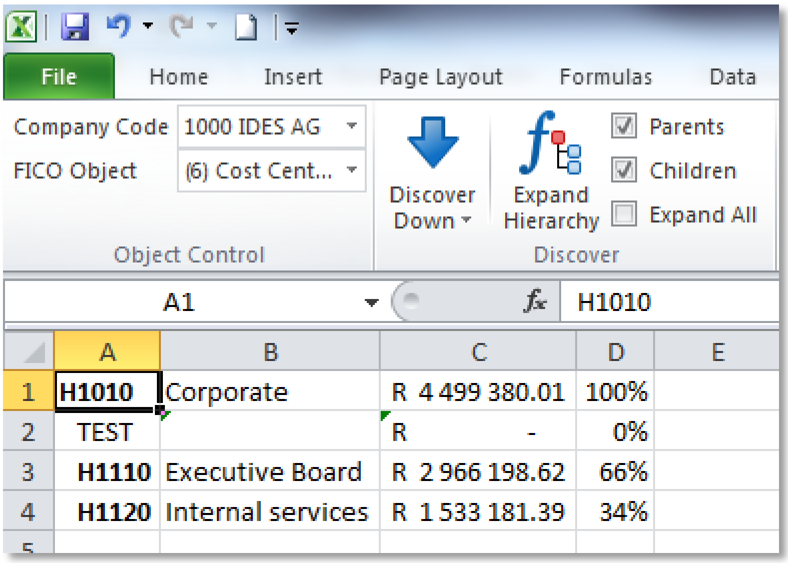
Cell	Formula
B1	=GLW_Get_Object_Description(1000,6,A1)
C1	=GLW_Get_CCA("2004","12","YTD","00","A","000","20","1000","",A1,"400000:489000","*","","")
D1	=(C1/C1)



Once again ensure you have selected the correct FICO object from the drop down list, in this example, Cost Center Group. Then select all the cells from cell A1 to D1. Ensure that the active cell is on the group which is in cell A1. If you need to, press tab to change the active cell in this selected range.

Now press the Expand Hierarchy button. The hierarchy is expanded down one level as the Expand All check box is not selected. If you wish to Expand All levels then you need to select the Expand All check box.

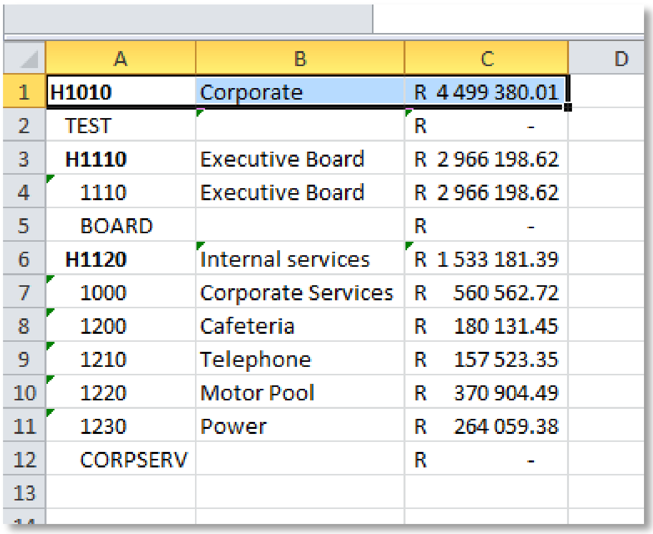
You are also able to Undo the Expand Hierarchy by clicking the Excel Undo button or using Ctrl+Z.



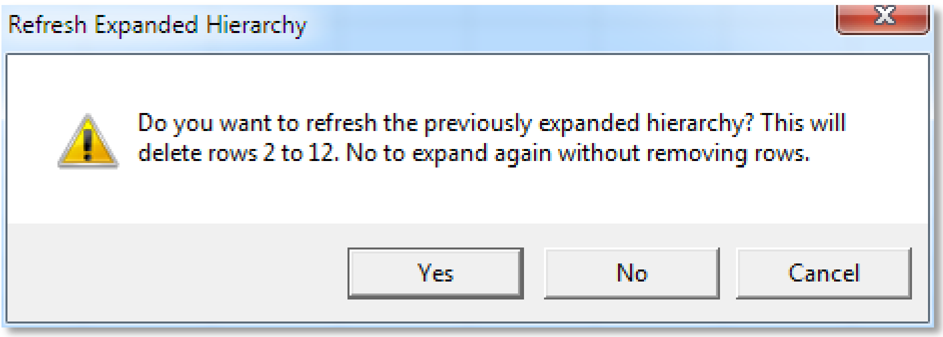
Note: Nested functions within Description or Balance functions are not supported.

3.5.5 Refresh Expand

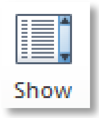
You are able to refresh a previously expanded hierarchy by selecting the region to expand and clicking on the Expand Hierarchy button again.



You will then receive a warning that the previously expanded rows will be deleted. Click on yes to have the rows automatically deleted and the expand process executed again. This is useful if the hierarchy has changed since the last expand operation. Note that you will have to have logged on again since the last hierarchy change for GL Wand to register the hierarchy change.

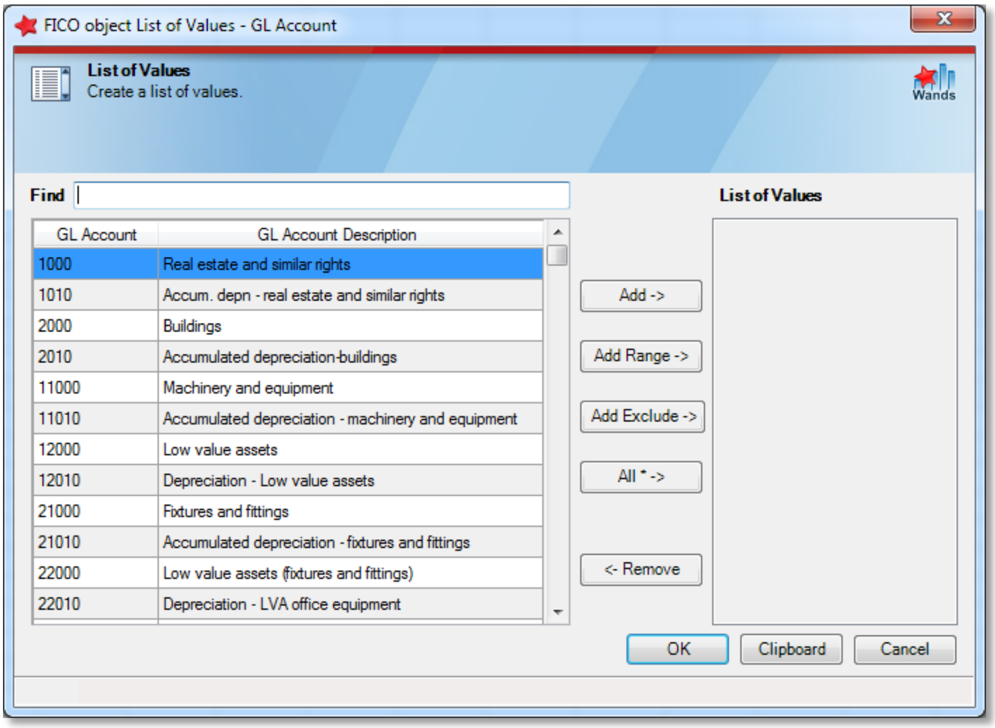


3.6 Show List of Values (copy into clipboard)

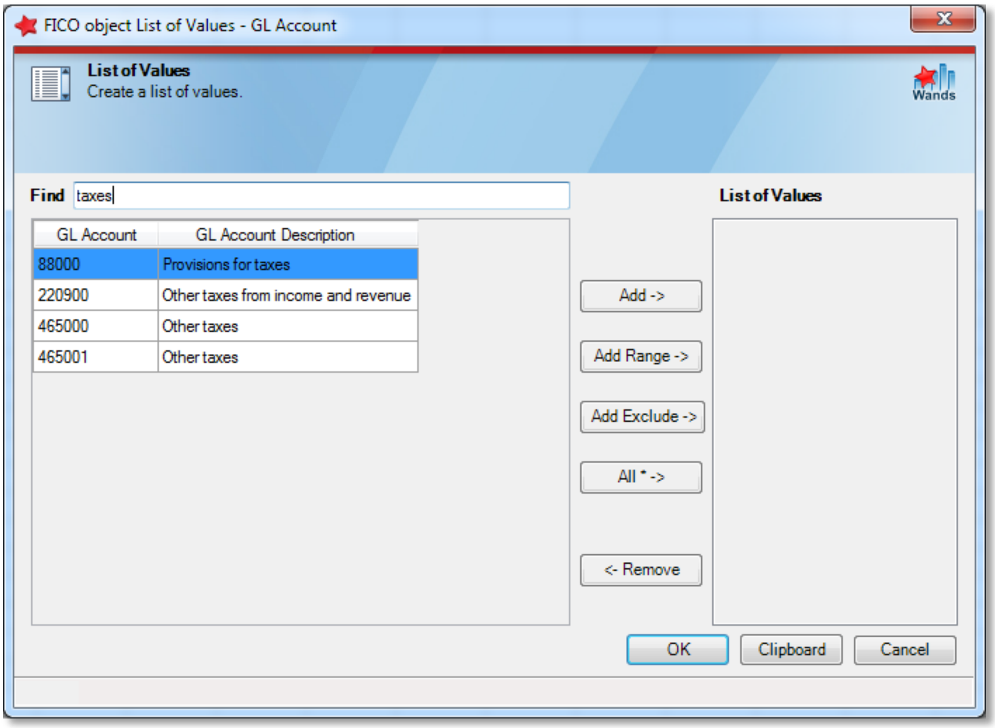


- Show list of values

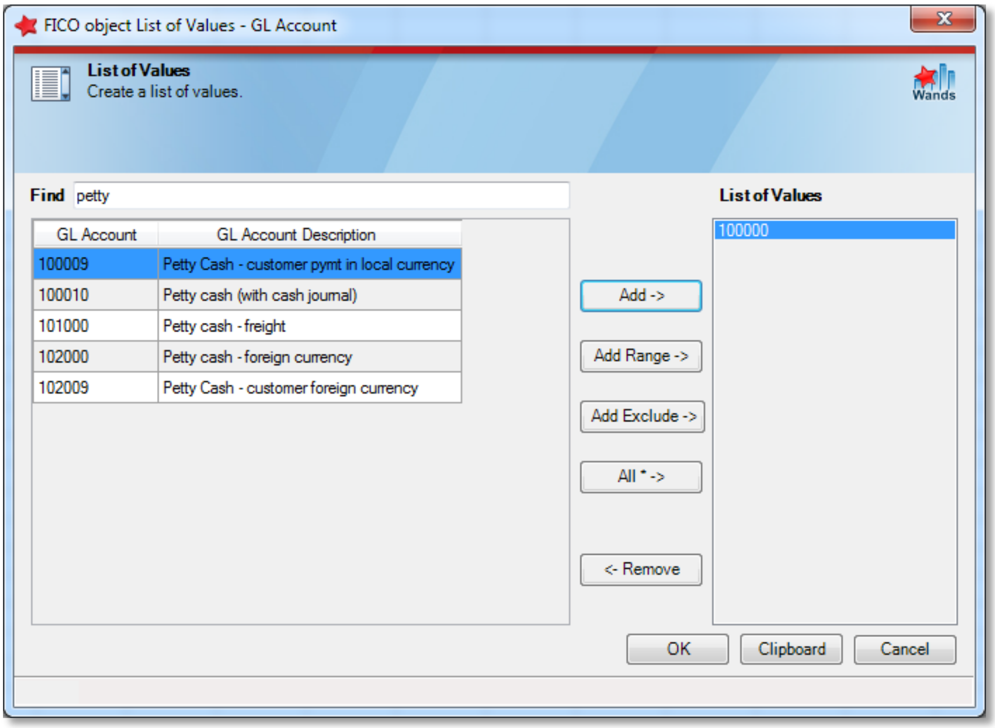
The FICO Object list of values form can be used to search through the FICO Object values and descriptions for a specific FICO Object and once selected paste (Ctl-V) them into a cell. First pick the FICO Object from the **FICO** Object **list dropdown** and then click the Show list of values button. The list of values for the chosen FICO Object is displayed.



You can enter a value to search for in the find box. The list of values will be filtered to show only items that match the text entered in the find box. The text entered in the find box is compared to the FICO Object value and FICO Object description. An item will be included in the results if either field contains the text entered in the find box.



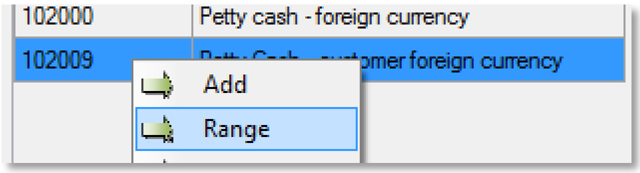
Click the “Add” button or double click an item in the list to add the current item to the selection list on the right. You can also click and drag an item to add it to the selection list.



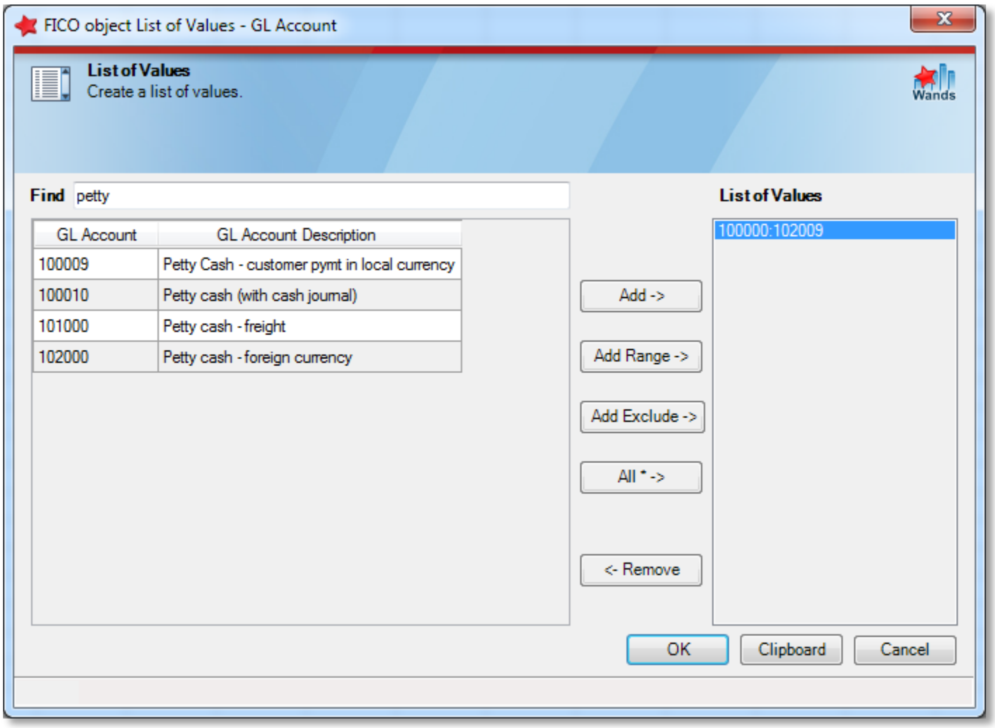
If you want to add a range to include all the petty cash accounts (100000:102009) do the following.

- Start by typing the word “Petty” in the Find box.
- Then select the starting account in the list “100000” value in the master list.
- Ensure that the “100209” value is highlighted in the master list and the “100000” value is highlighted in the selection list and click the “Add Range” button.

- You can also right click on a value and use the context sensitive menu to create the range.



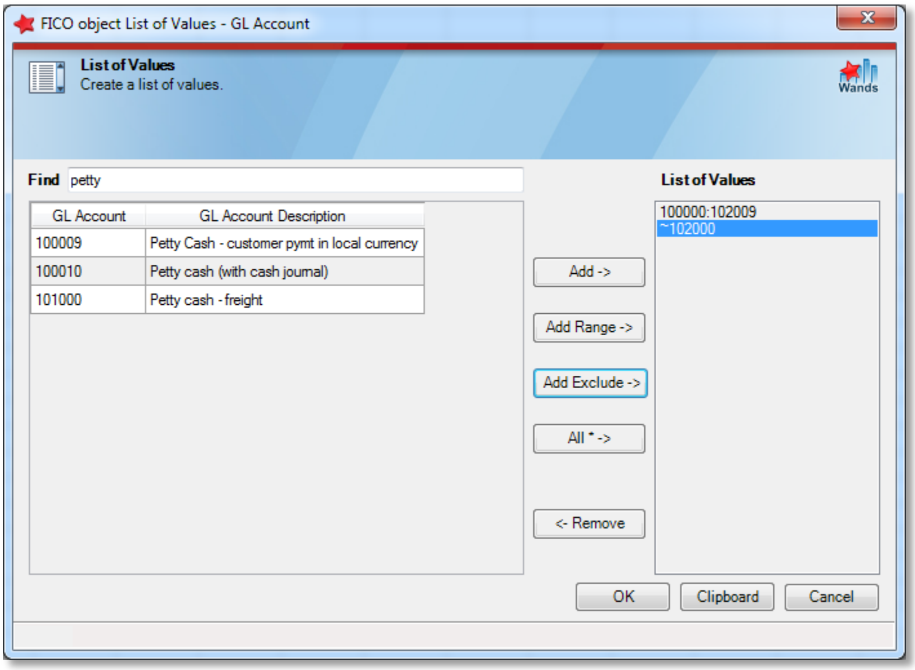
Tip: Depending on how your administrator has configured your site options, your range delimiter may appear as a ':' or '–' or '@' or '>'. The range delimiter should be configured so as not to have a different special character than might already have been used within your values.



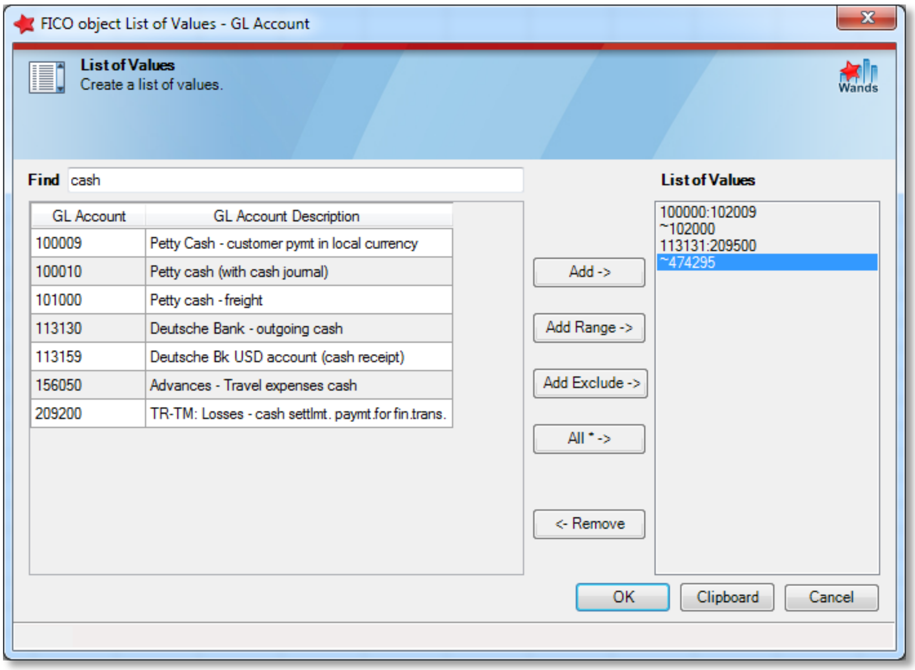
To remove an item from the selection list, ensure that it is highlighted and then click the "Remove" button.

Clicking the "All" button will add a "*" to the parameter list which means "All values".

If you want to include certain values and exclude others you can use the “Add Exclude” option. This will add the highlighted value to the selection list prefixed by the reserved exclude character “~”.

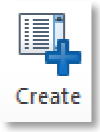


You can add any combination of the options mentioned above to produce your own calculation.



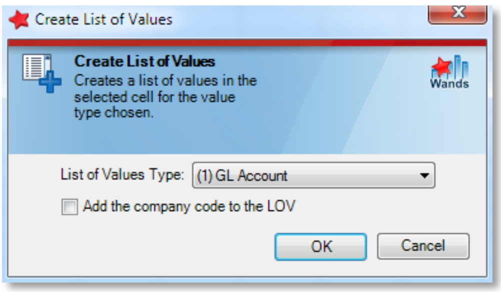
Once you have added all the required FICO values to the selection list click “Clipboard” to copy the list to the clipboard or click “OK” to paste the values into the currently selected cell.

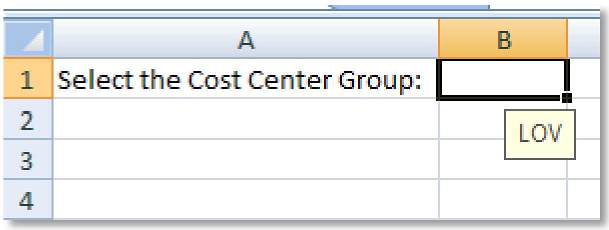
3.7 Create List of Values

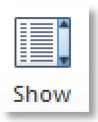


- Create list of values

This feature can be used to quickly format a cell to be a special list of values cell which are used as driving cells for reports. When the cell is double clicked the list of values form will open allowing the user to make a new selection.







The cell is identified by a note containing the word “LOV”. In order to open the list of values, simply double click the cell or select the cell and click the Show List of Values button on the toolbar. This will open the list of values form for the specific data type that the list of values cell was created for. In the example this was the cost center group FICO Object.

The ‘add the company code to LOV’ check box allows you to link the list of values to a specific company code. If it is unselected, the LOV opened will relate to the currently selected company in the company code selector drop down.

3.8 Available List of Values

The following FICO objects are supported together with several other items.

FICO Objects supported	
GL Account	Representative Material
Segment	Trading Partner
Business Area	Transaction Type
Functional Area	Project
Cost Center	WBS
Cost Center Group	Network
Cost Element	Network Activity
Cost Element Group	Fund
Profit Center	Grant
Profit Center Group	Funds Center
Account Group	Funded Program
Alternate Account	Sponsored Program
Statistical Key Figure	Sponsored Class
Statistical Key Figure Group	Customer
Activity Type	Vendor
Activity Type Group	Funds Center Group
Order	Commitment Item
Order Group	Commitment Item Grp

Other supported LOV items
Company Code
Period
Actual/Budget
Balance Type
Currency Type
Version
Ledger
Year
Currency
SPL configured fields
COPA configured fields

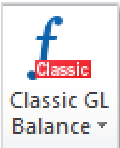
ECCS Objects supported
Dimension
Consolidation Group
Consolidation Unit
Consolidation Chart of Accounts
Financial Statement Item
Subitem Category
Subitem
Company
Posting Level
Apportionment
Translation
Consolidation Document Type
Investee Unit
Partner Unit

3.9 Functions

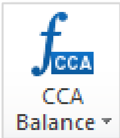
The GL Wand functions work in a similar way to any other Excel worksheet function. You provide the required parameters and the results of the function are returned to the Excel cell. The difference being that GL Wand functions retrieve information from your SAP Applications system.

GL Wand for use with SAP currently has the following functions.

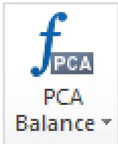
3.9.1 Functions that Get Balances



- Get Classic GL



- Get Cost Center Accounting

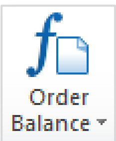


- Get Profit Center Accounting

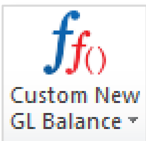
- Get GL (New GL)

- Get Statistical Key Figure

- Get Activity Type



- Get Order

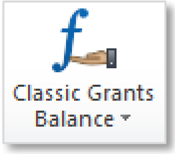


- Get Custom New GL

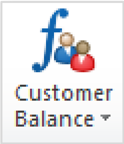
- Get Project

- Get Funds Management (Public Sector New GL)

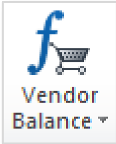
- Classic Funds



- Classic Grants



- Get Customer



- Get Vendor

-Get Budgetary Control System

- Get SPL

- Get ECCS

-Get COPA (CB)

- Get Daily

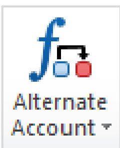
3.9.2 Functions that Get Other information

- Object Description

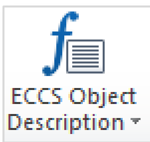
- Next Object Value

- Previous Object Value

- Company Code Name

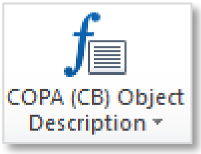


- Alternate Account

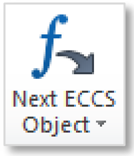


- ECCS Object Description

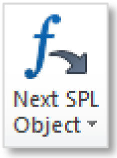
- SPL Object Description



- COPA Object Description



- Next ECCS Object

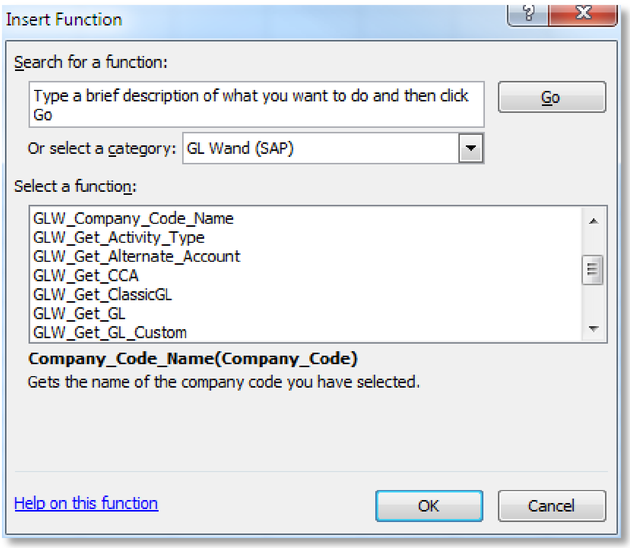


- Next SPL Object

- Next COPA Object

You can enter a function into an Excel cell in a number of ways.

- Click the applicable button on the GL Wand toolbar
- Type the function name into the cell manually prefixed by an = sign
- You can select the function from the list that Excel provides when you choose the Insert Function menu item. The GL Wand functions are listed under the special GL Wand (SAP) category.



If you click the applicable function button on the toolbar and the cell you are in contains that function, the Excel formula wizard window will open. If you click a function button in a cell that contains other data, GL Wand will warn you that it is going to replace the contents of the cell with the chosen formula and will give you the option of cancelling the action.

All parameters must be entered as text values i.e. enclosed in double quotes e.g. enter “00” when entering the ledger code.

See “Discovering versus Functions” for a comparison extracting information using the discover tools or the functions.

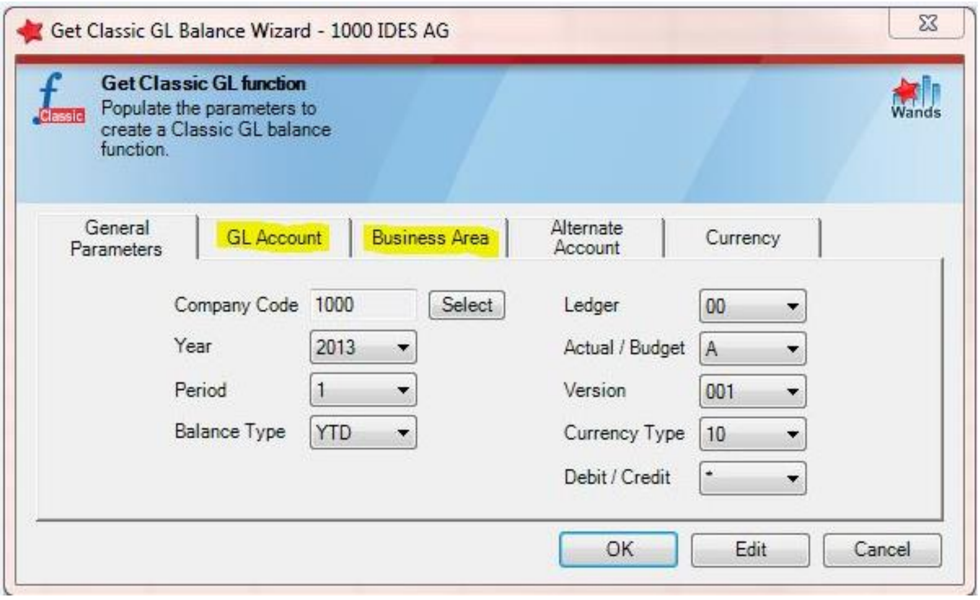
3.9.3 Get Balance

The Get Balance function is probably the most important function in GL Wand. It returns a General Ledger balance individually or summed based on the parameters that you enter.

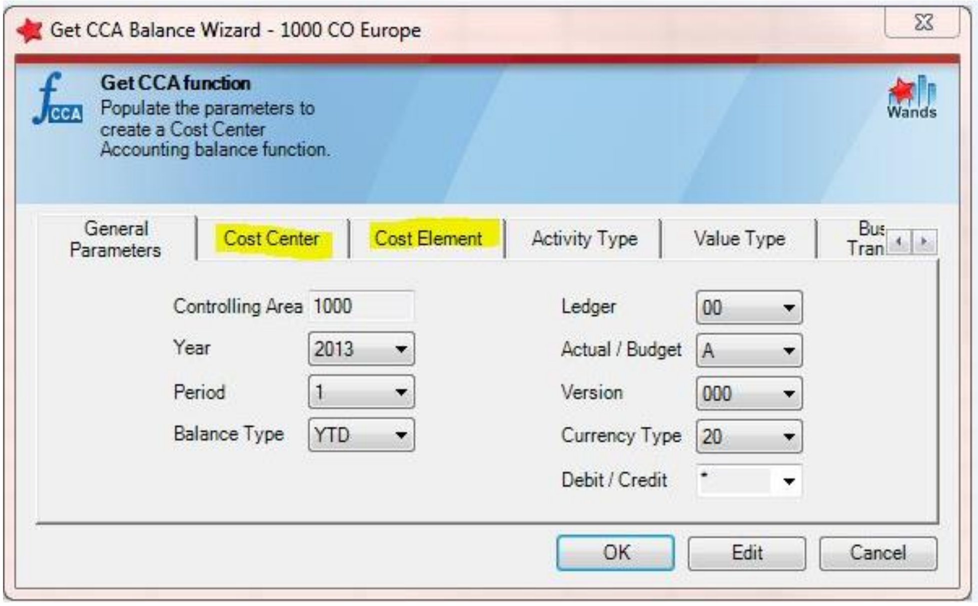
Example:
=GLW_Get_ClassicGL("2004","1","YTD","00","A","001","10","1000","1000","*","*").

Clicking one of the Get Balance functions on the GL Wand toolbar will open the applicable Get Balance Wizard form.

So for example, the Get Classic GL Balance Wizard will have tabs for GL Account and Business Area.

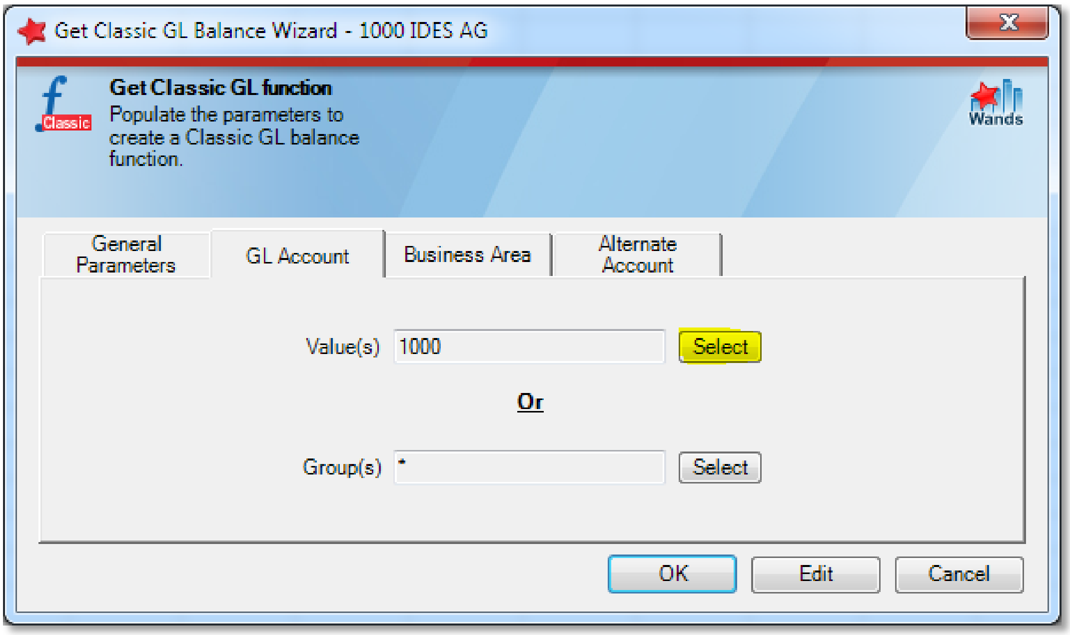


While the Get CCA Balance Wizard will have tabs for Cost Center and Cost Element.



This form has lists of values for items like Year, Period, Balance Type, Ledger etc. Select the applicable values required. For items with a Value or Group option, select either the value or Group item.

Clicking the Select button next to the FICO Object's Values or Groups option will open the FICO Object list of values form for that FICO Object. See the FICO Object List of Values section for details on how to use this form. When you click the "OK" button on the FICO Object List of Values form the selected FICO parameters are entered against that FICO Object in the Get Balance Wizard form.

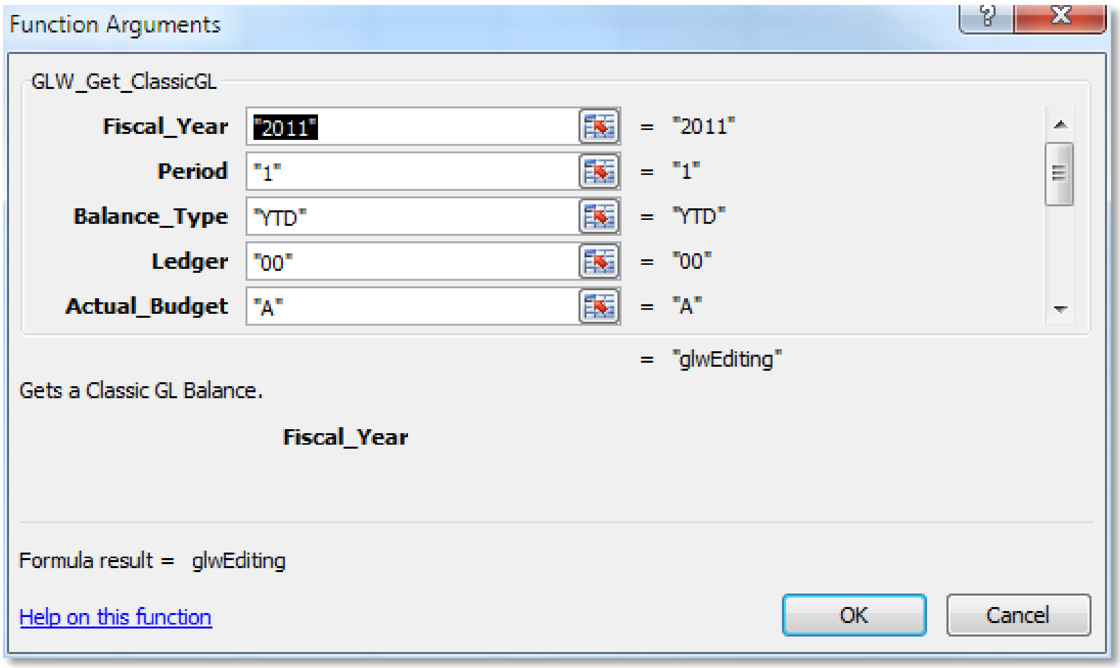


3.9.4 Multiple Company Codes

You are also able to select multiple company codes in the Classic GL, New GL and Custom New GL functions.

It is important to note that all company codes selected for a single formula must have the same currency code for the currency type selected, share the same chart of accounts as well as all belong to the same controlling area.

When you have entered all the parameters click the "OK" button to insert the Get Balance function into the selected cell with the entered parameters. Clicking the "Edit" button will open the Get Balance function in the Excel formula wizard form which will allow you to link parameters to cells in the Excel sheet.



You can also open the Get Balance formula in the Excel formula wizard form using the ***fx*** button on the formula bar or by selecting the "Insert Function" menu item on the Excel menu bar.

Parameter	Description
Year	A value, like '2009'
Period	Period number, like '12'
Balance Type	YTD, PTD, QTD, CTD, CALY, CALP all in upper case. ✶ YTD – Summarizes the full years balance ✶ PTD – Includes just the current period's movement ✶ QTD – Include the movement for the quarter ✶ CTD – Summarizes the custom period criteria entered e.g. using CTD one can insert 2:4,7 in the Period field to get the movement for periods 2 to 4 plus period 7. ✶ CALY – Year to date balance for the calendar year and period ✶ CALP – Calendar period's movement
Ledger	The ledger id for example '00'
Actual / Budget	'A' for Actual, 'B' for Budget.
Version	If you are selecting budget values enter the applicable version. The wizard will automatically insert the correct version for actual values.
Currency Type	The currency type as configured in SAP. For example '10' for Company Code Currency, '30' for Group currency. The currency type 'QT' has been added to the New GL function in order to retrieve quantity balances.
GL Account	Enter the Object value here. You must enter it as a text value. To include all values simply enter "*" or leave the parameter blank.

When creating Get Balance formulas always use "*" to denote all values as this process is faster than a range like "000:ZZZ".

The FICO Object value parameters can be entered into

Value denoted parameters as

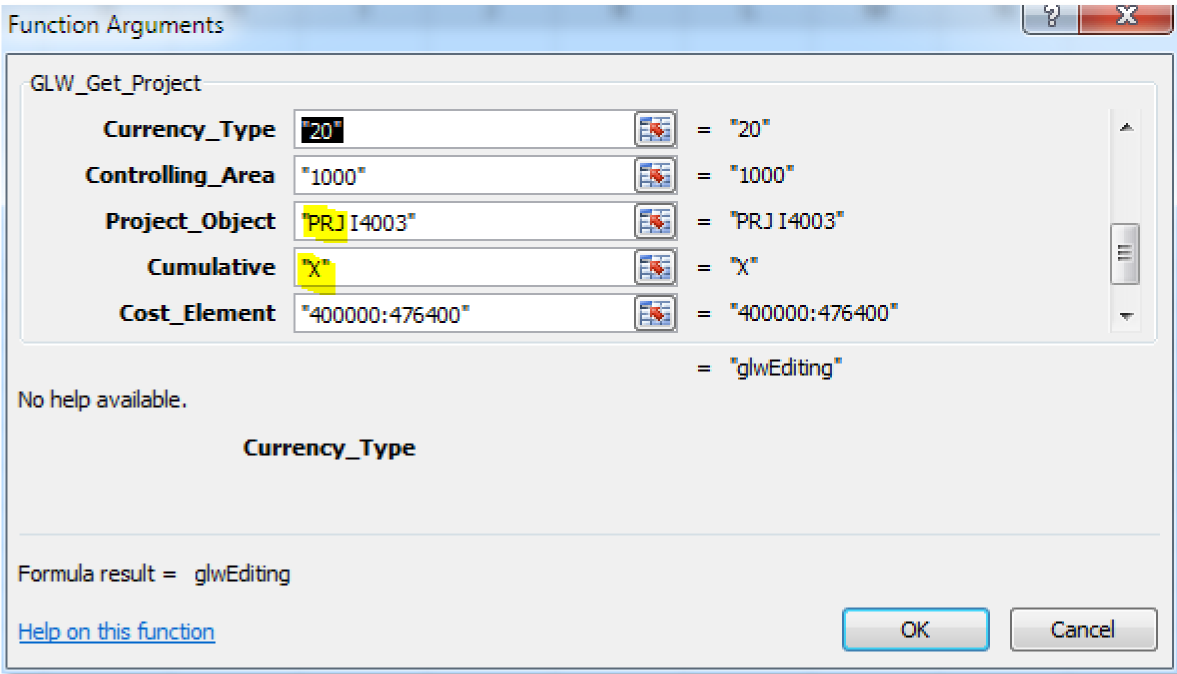
- a single value representing a child
- a range of values e.g. entering “1500:1600” in one of the FICO Object parameters will sum all the values between 1500 and 1600 for that object.
- a list of values e.g. entering “1500,1510,1590” in one of the parameters will sum the specific values entered.
- values to be included and then specific exclusions e.g. “1000:2000,~1500” will sum the values between 1000 and 2000 but will skip 1500.
- a combination of any of the above e.g. "1000:2000,2371,2375,2560:2580,3000,~3200,4000,~4161:4169". In this way you can build up your own calculation definition in the FICO Object parameter.

Or into **Group** denoted parameters as

- a single value representing a parent
- a list of values representing parents

3.9.5 Get Project Balance

The parameters for the Get Project balance function are very similar to the parameters of the other get balance functions with the exception of the Project_Object and Cumulative parameters.



The Project_Object parameter is used to input the project definition, wbs element, network or network activity values. **The project object types cannot be mixed within this parameter in a single function.** The object type is identified by a prefix.

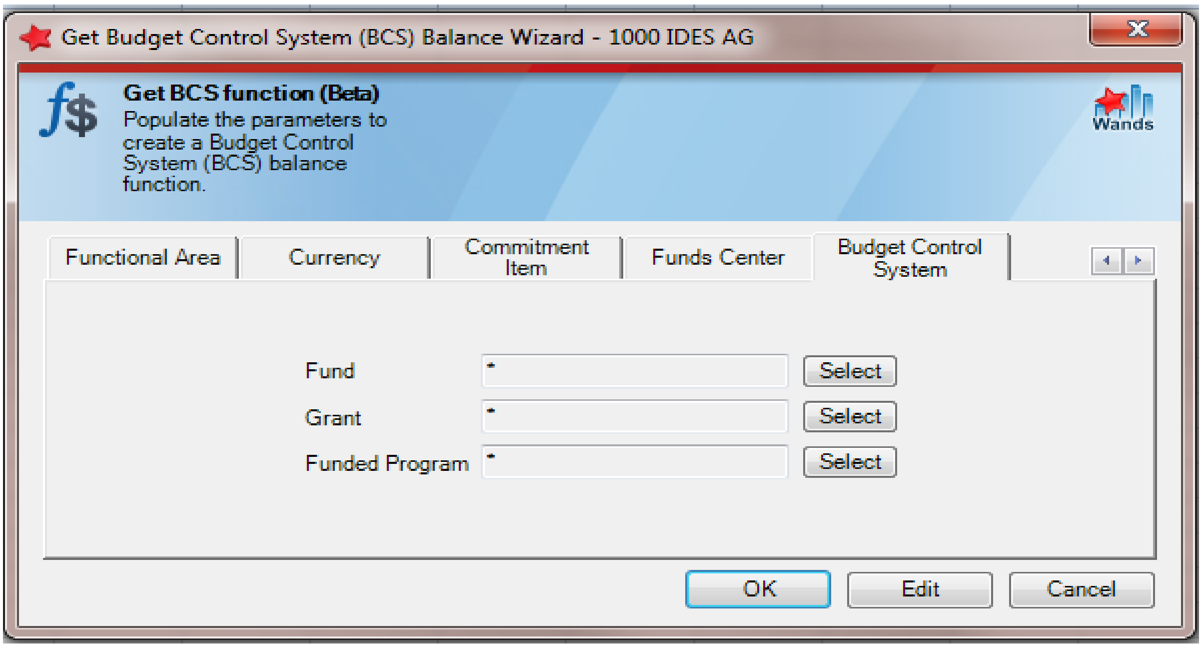
Prefix	Project Object Type
PRJ	Project Definition
WBS	WBS Element
NWK	Network
NWA	Network Activity

This project object prefix is automatically inserted for you when using the get balance wizard, discovering project object values or selecting them with the Show or Create List of Values functionality.

The Cumulative parameter denoted by a "X" is used to total the project object values within its hierarchy. So in the example used above the WBS, Network and Network Activities linked to the Project Definition I4003 will be summed in this function. If the Cumulative parameter is left blank only the balance for that project object will be returned and values for items in the hierarchy below it will be ignored.

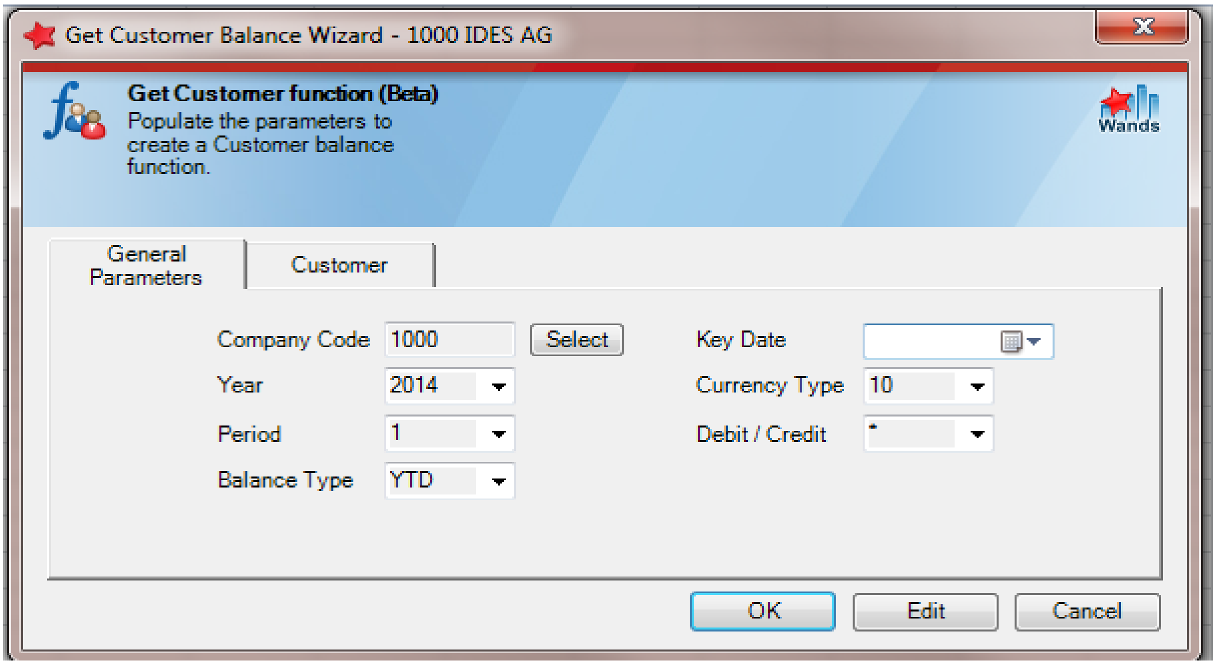
3.9.6 Get BCS (Budget Control System) Balance

This function is similar to the selection parameters used in the Get Classic Funds Balance however the ability to select newly added Funds Center/Group and Commitment Item/Group is available as well as selection from the Budget ledgers used in Funds Management budget planning.



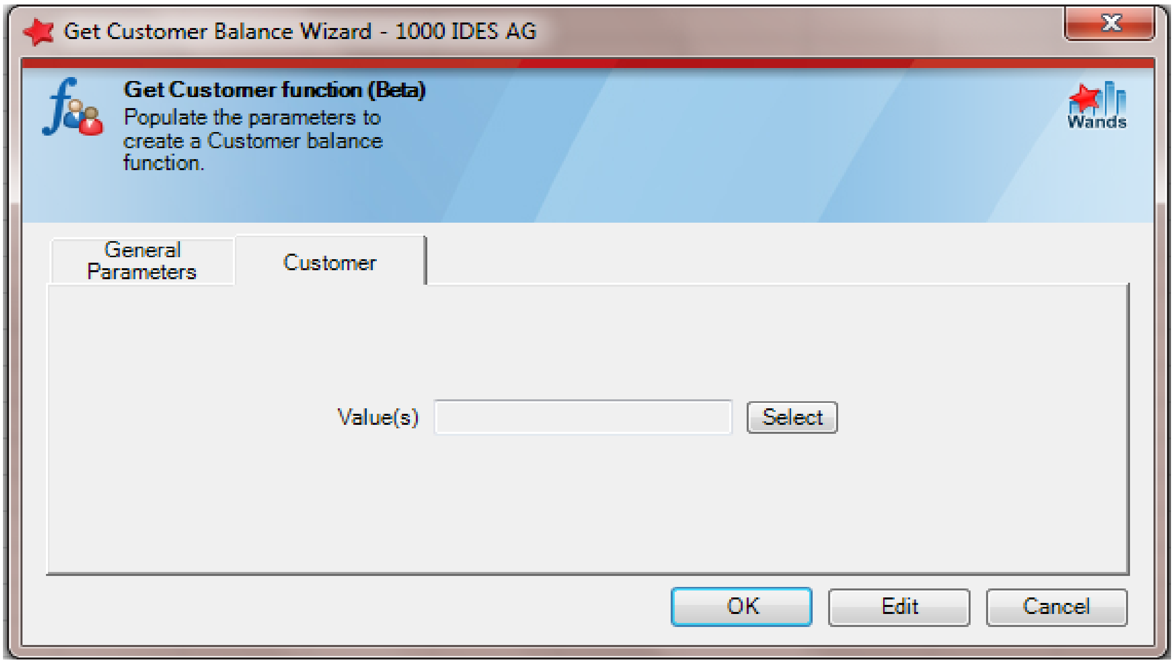
3.9.7 Get Customer Balance

This Get Balance Wizard is more simplified in comparison to the other Get Balance functions. There are parameters for the Customer and Key Date, as well as some other common parameters (e.g., Company Code, Year, Period, Balance Type,etc.).

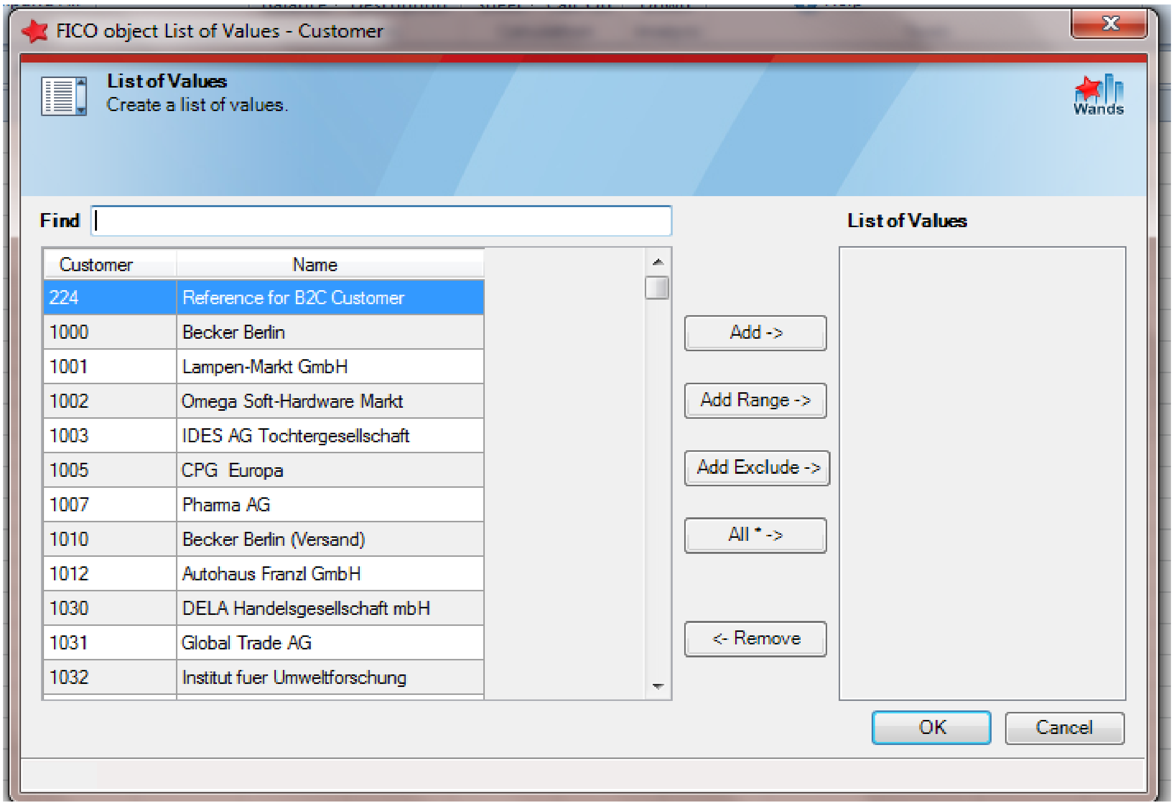


The Key Date can be used in place of Year and Period to retrieve customer balances based on a specific date. If Year and Period are used instead of the Key Date, then balances will be retrieved through the end of the period that is selected. If you attempt to use the Period and Year in unison with the Key Date, you will receive an error message which means this is an either/or situation.

The Customer can be selected from a list of values by using the Select button (seen below).



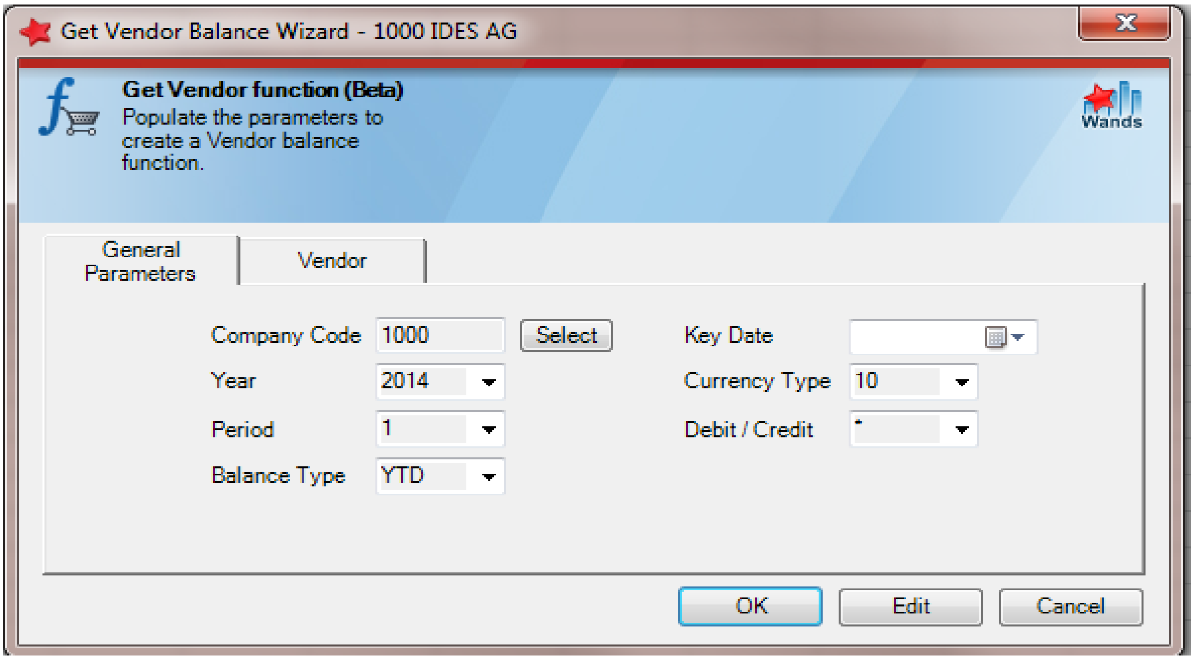
Using Select yields the following list of values selection screen, where users can select an individual customer, a non-sequential group of customers or a range of customers.



Once the parameters are entered, a customer balance can be retrieved from SAP.

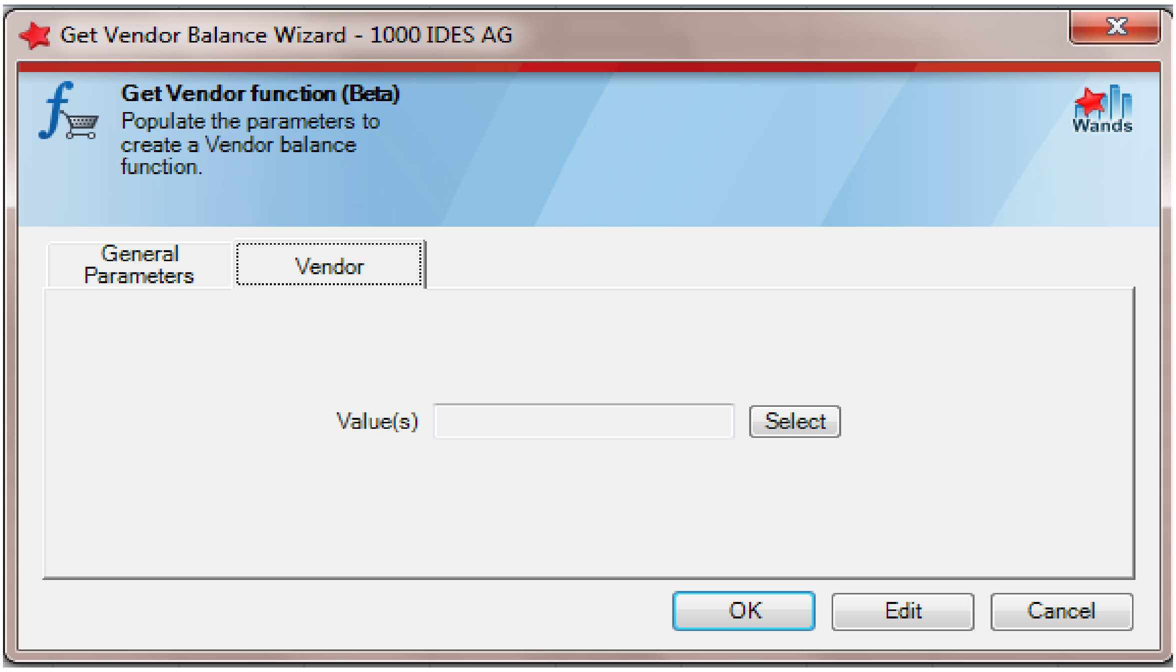
3.9.8 Get Vendor Balance

This Get Balance Wizard is more simplified in comparison to the other Get Balance functions. There are parameters for the Customer and Key Date, as well as some other common parameters (e.g., Company Code, Year, Period, Balance Type,etc.).

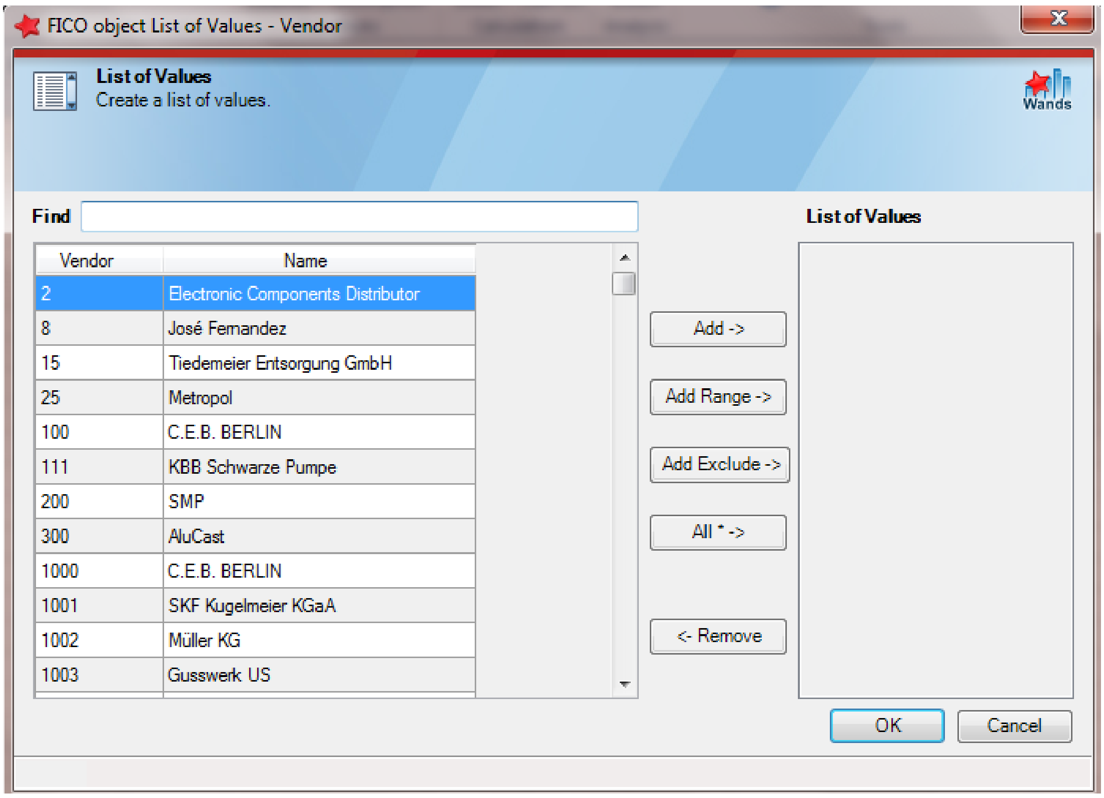


The Key Date can be used in place of Year and Period to retrieve vendor balances based on a specific date. If Year and Period are used instead of the Key Date, then balances will be retrieved through the end of the period that is selected. If you attempt to use the Period and Year in unison with the Key Date, you will receive an error message which means this is an either/or situation.

The Vendor can be selected from a list of values by using the Select button (seen below).



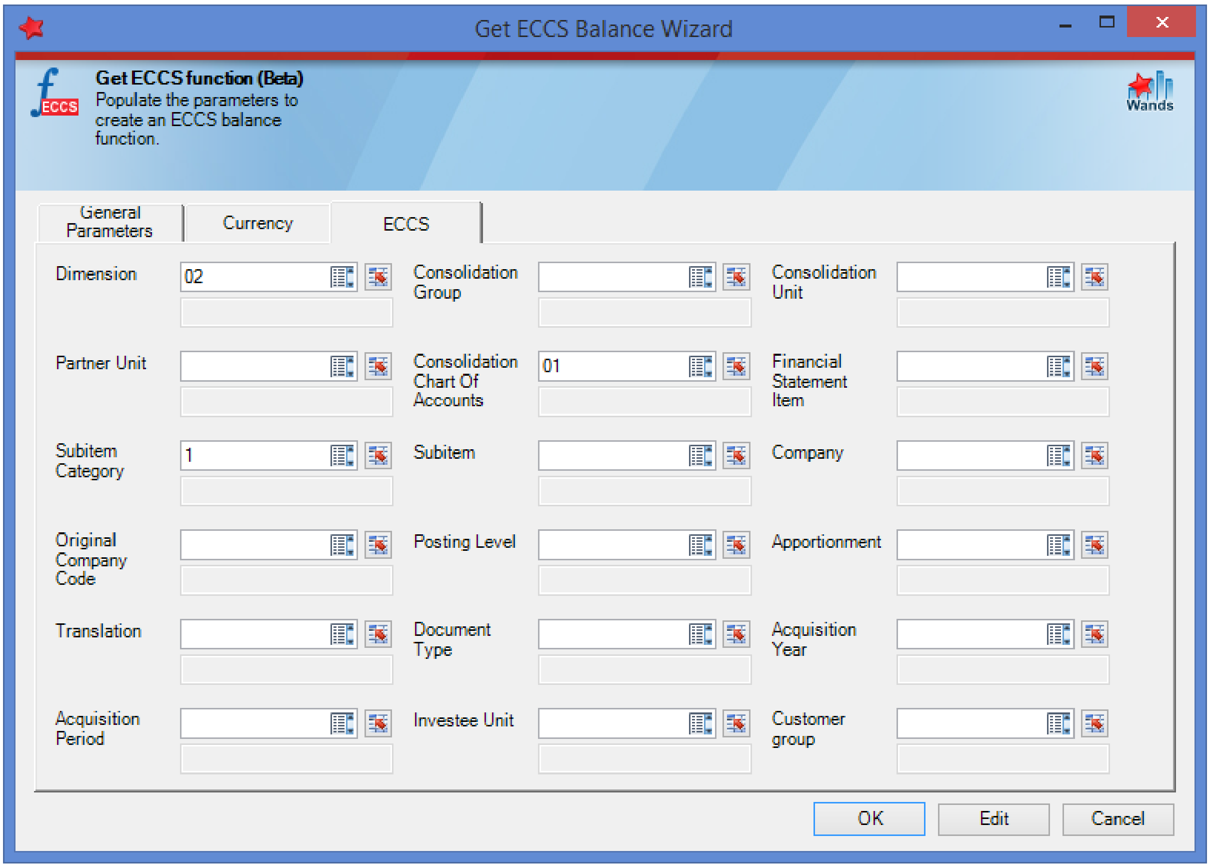
Using Select yields the following list of values selection screen, where users can select an individual vendor, a non-sequential group of vendors or a range of vendors.

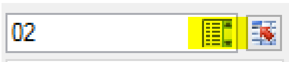


Once the parameters are entered, a vendor balance can be retrieved from SAP.

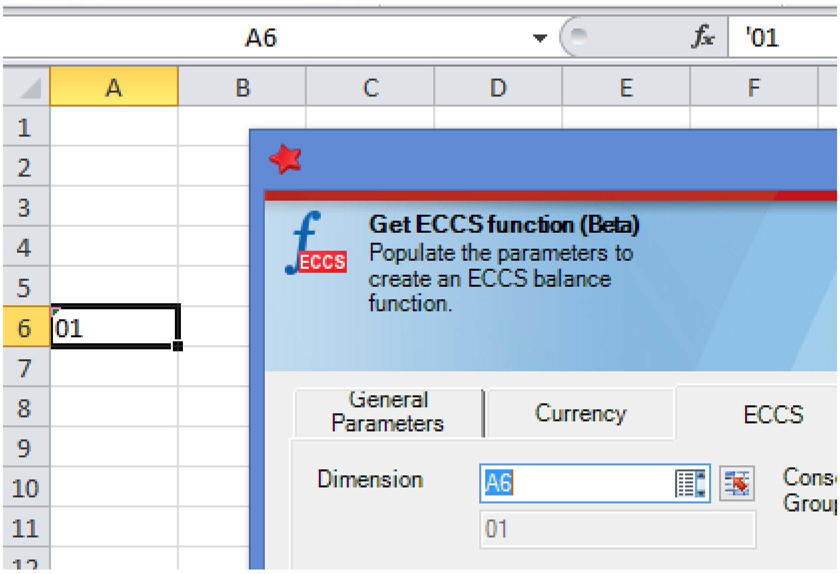
3.9.9 Get ECCS Balance

The Get ECCS Balance wizard is similar in nature to the other get balance wizards as far as the general parameters tab is concerned except that a company code is not selected. The ECCS specific parameters are on the ECCS tab. The ECCS get balance function caters for the common ECCS objects as parameters and can also work with up to 16 custom characteristics.

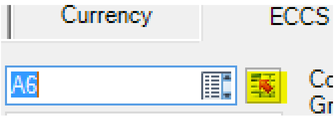


The key differences between the ECCS wizard and other get balance wizards is that instead of having a select button to display a list of values for a parameter the button is embedded in the text box like this highlighted in yellow. 

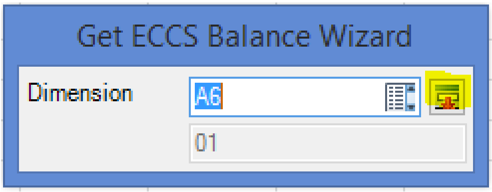
Clicking on this button will display the list of values for the relevant parameter and allow the user to choose values. In addition to this difference a cell from the Excel sheet can now be chosen directly from the balance wizard. So for example, Cell A6 is referenced from the wizard directly from the Dimension parameter and the resulting value contained in cell A6 wich is the Dimension 01 is displayed below the parameter like the example below.



The second button acts in the same way as the cell selection button in the Excel cell selection wizard in that it will minimize the get balance wizard form to make it easier to navigate to your cell selection.



Once you have made the cell selection you can then click the highlighted button below to return the form to its original state.



The other key difference between the ECCS wizard and other get balance wizards is if you select an existing ECCS balance function in a cell and click the ECCS wizard button again the wizard will open and re populate the parameters from the existing function.

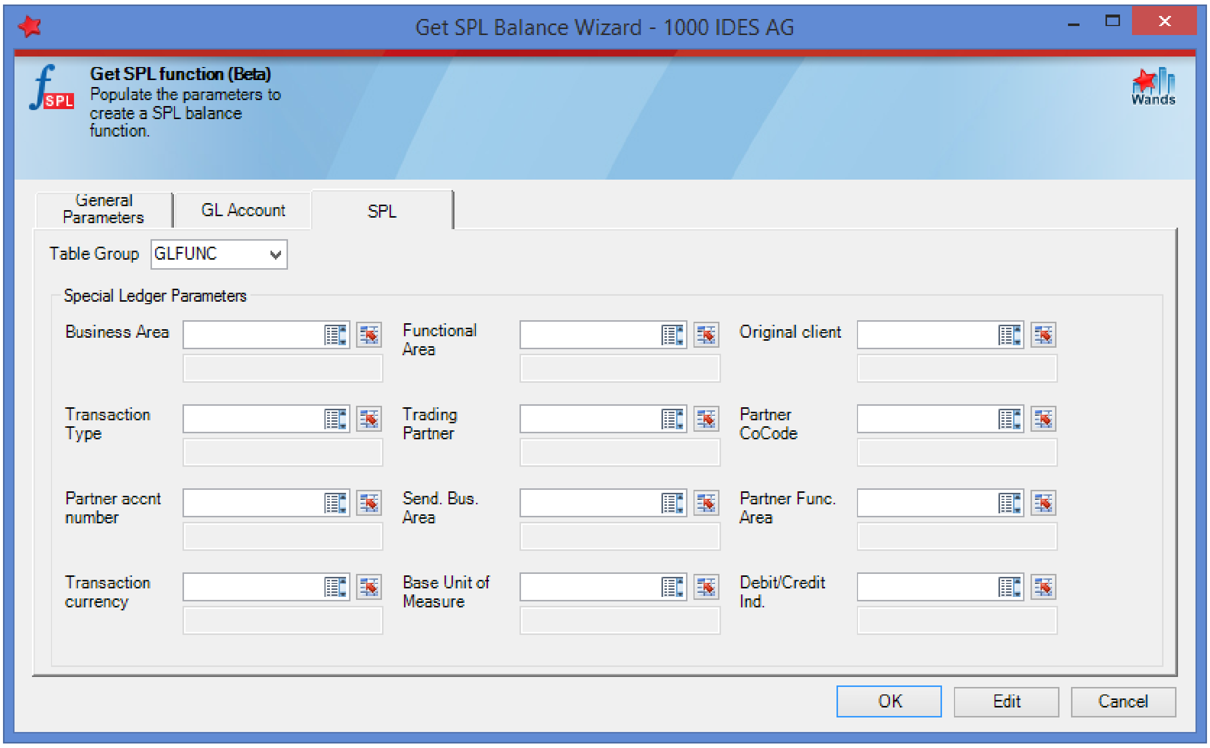
Note: If you have already selected the cell in excel when you click in the parameter field, you will need to temporarily select another cell in Excel and go back and select the original cell for the reference to the cell to show up in the parameter.

Note: Only single simple functions are supported when reopening the wizard to repopulate the existing parameters. Multiple or nested parameters are not yet supported.

3.9.10 Get SPL Balance

The Get SPL balance wizard is similar in nature to the new ECCS balance wizard except that a company code is still required to be chosen. The SPL parameters are displayed on the

SPL tab and the fields are driven by the table group that can be chosen on this tab as well. The SPL balance wizard can cater for up to 16 SPL fields defined in the table group.

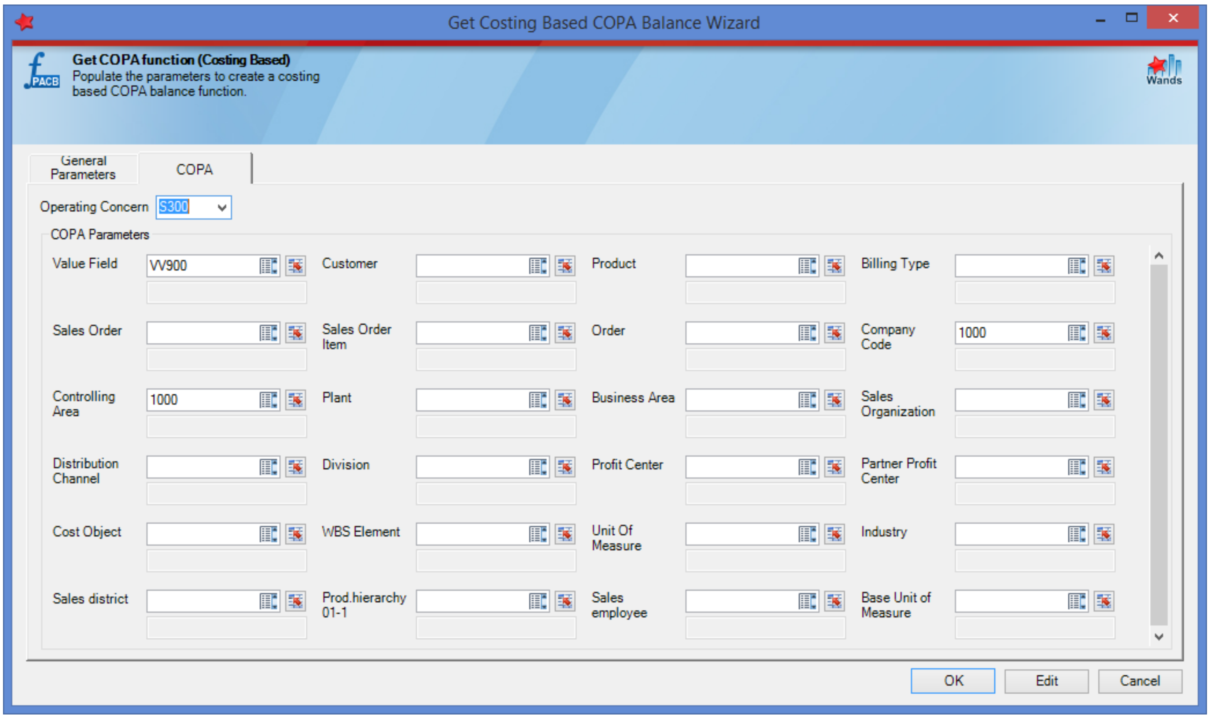


If you change the table group, GL Wand will automatically redisplay the relevant SPL parameters for the chosen table group. It will also remember this chosen table group for the next time you open the SPL wizard form. You are able to select cells from the parameters and list of values in the same manner as described above in the ECCS balance wizard section.

If the list of values displayed for an SPL field you have the option to use custom configured SPL lists of values. Please see the connector user guide on how to define the custom SPL list of values. If you want to use the custom SPL list of values you need to select this in the User Settings>Advanced>SPL section.

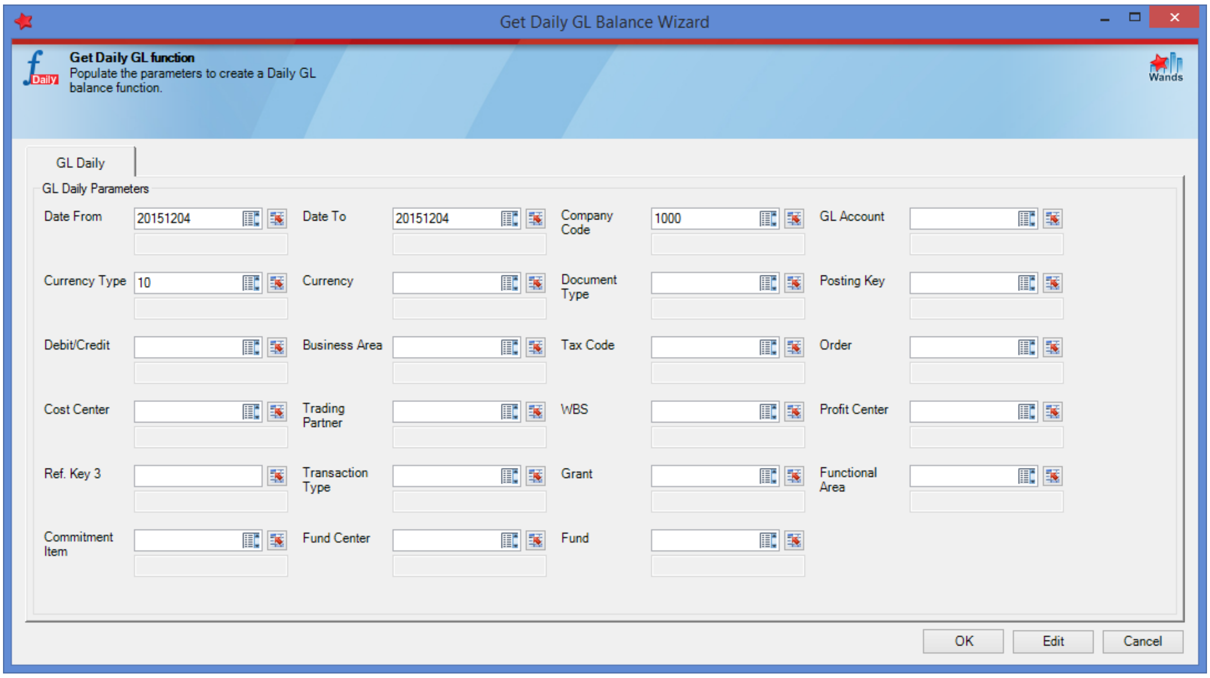
3.9.11 Get COPA (Costing Based) Balance

The COPA (Costing Based) balance wizard is similar to the SPL balance wizard and has the same limitation of up to 16 custom characteristics per operating concern.



If you change the operating concern, GL Wand will automatically redisplay the standard fixed characteristics and then as many custom characteristics that have been defined for that operating concern up to the previously specified limit. Select the value field for which the balance will be retrieved and the related parameters. You are able to select cells and parameters as described above in the ECCS balance wizard section.

3.9.12 Get Daily Balance



The Daily balance function will allow you to get the movement for a specific period of time down to a particular date. The Date from and to are entered in the YYYYMMDD format and a number of dimensions are available for selection. With this function it is now possible to get movements on GL accounts for a specified period of time by document type, cost or profit center, posting key plus many others while the parallel currencies are also available. The groups for FICO objects such as accounts or cost or profit centers can be used by clicking on the LOV button and then selecting the Group option to display a list of those to choose from. The group in the formula parameter is denoted with a ^. The daily balance function can only be used on GL accounts that have line items enabled on their related master record.

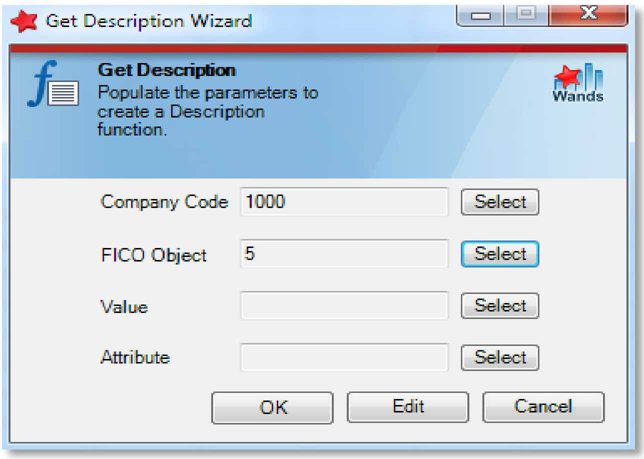
3.9.13 Get Object Description

Returns the object description for the chosen FICO object value.

Parameter	Description
Company_Code	The applicable company code.
FICO_Object	The FICO Object number (e.g. '9' for Profit Center)
Value	Enter the object value for which a description is required.
Attribute	Enter the text value of the attribute.

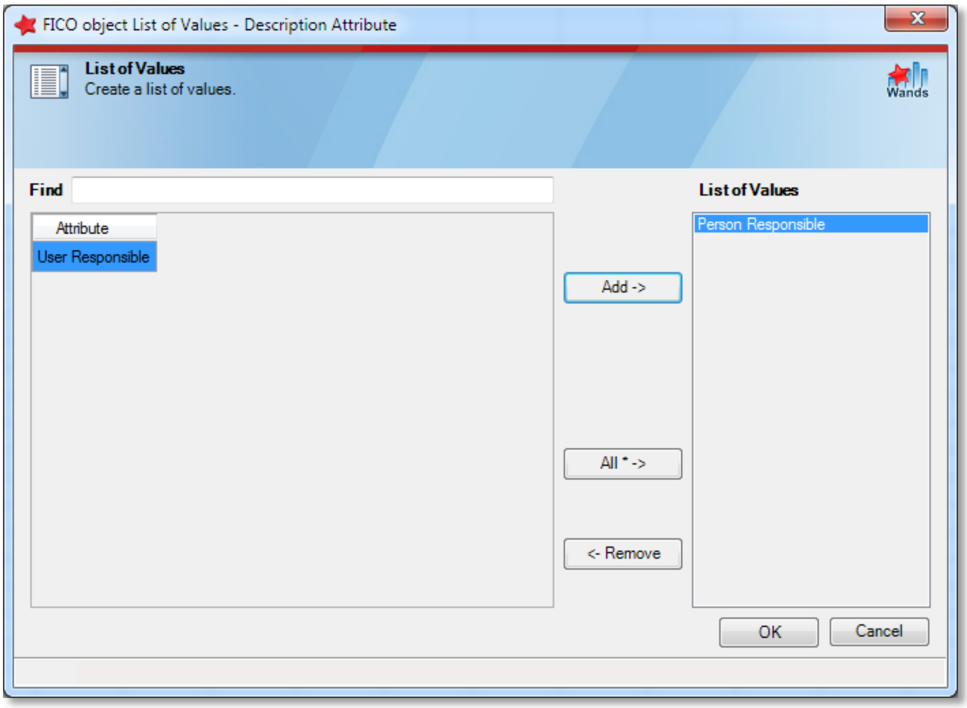
Example =GLW_Get_Object_Description("1000","1","2000","")

Clicking the FICO Object Description on the toolbar now opens a wizard.

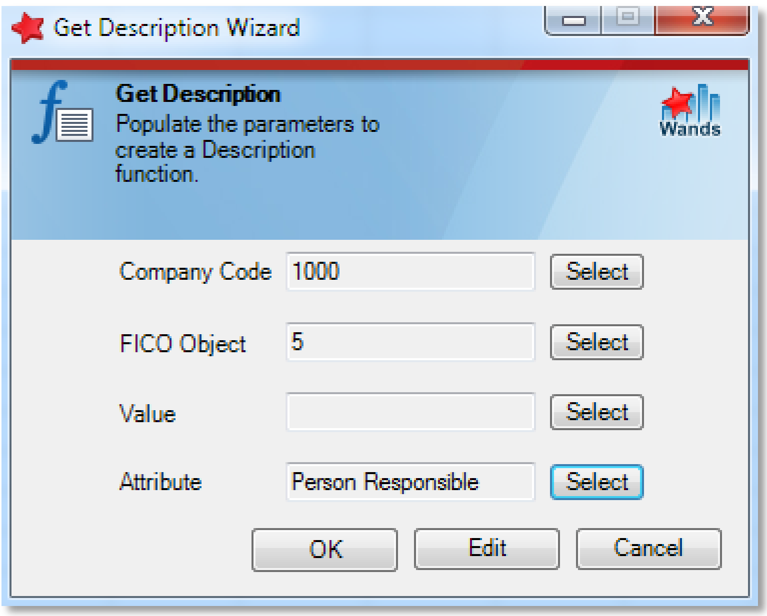


Using the Select button next to each parameter allows you to choose the values to use in the Get Object Description function. The value field is not normally hard coded by selecting it but rather by clicking on the Edit button and linking it to a cell in Excel that contains the value of a FICO object that you want the description for.

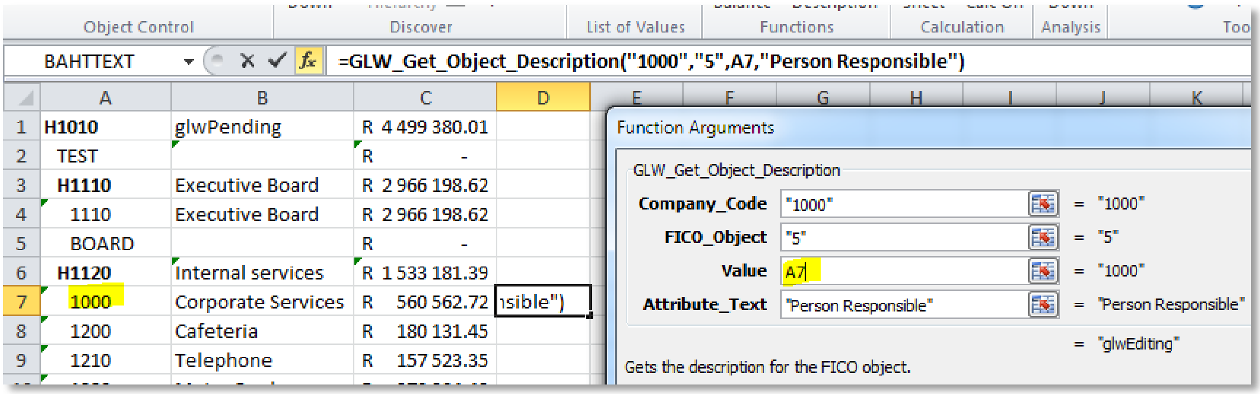
There is a new parameter for the Get Object Description function called the Attribute parameter. Typically this parameter is left empty when getting a description but if you require one of the provided FICO object attributes you can select it by clicking on the select button and choosing the attribute you wish to retrieve for that FICO object.



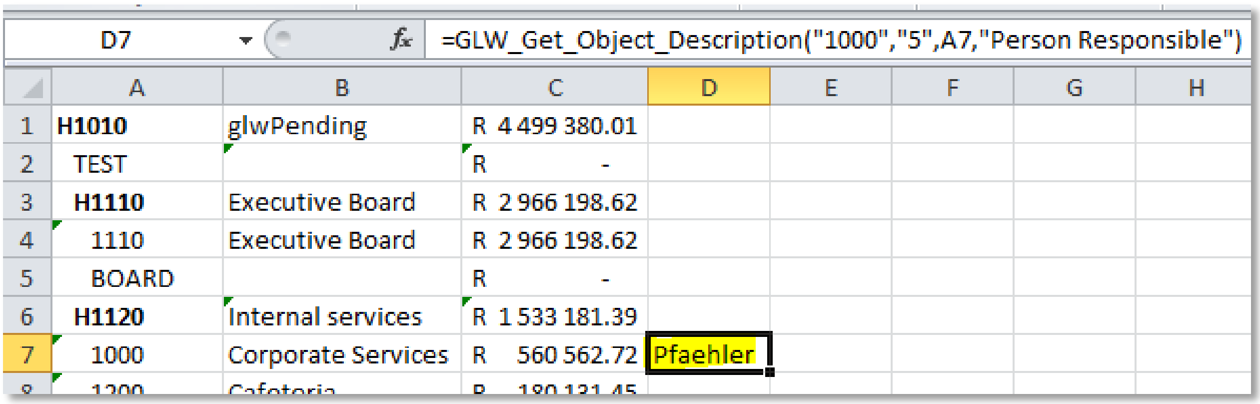
The example above shows the attributes available for the cost center FICO object. The Person Responsible attribute has been selected to be retrieved.



Clicking on the Edit button then allows you to reference the cell in Excel that contains the cost center value using the Excel function window.



Notice now that the person responsible for the cost center is returned instead of the cost center description.



The following table outlines the available attributes by FICO Object:

FICO Object	Attribute
GL Account	Alternate Account or Balance Sheet Account (x indicates Yes)
Cost Center	Person Responsible or User Responsible
Cost Element	Cost Element Category
Profit Center	Valid To and Valid From dates
Statistical Key Figure	SKF Unit
Activity Type	Activity Unit
Order	Order Type
Project	RA Key, Person Responsible, Profit Center
WBS	Cost Center, Person Responsible, Profit Center
Grant	Valid From date, Valid To date, Sponsor, Grant Total
Customer	Industry, Payment Block, Payment Term
Vendor	Industry, Payment Block, Payment Term

3.9.14 Next FICO Object Value and Previous FICO Object Value

Returns the next or previous FICO Object value.

Parameter	Description
Company Code	The applicable company code.
FICO Object	The FICO Object number
Last Value	The starting object value

Example =GLW_Get_Next_Object(“1000”,”1”,”2000”)

3.9.15 Company code Name

Returns the company code name for the chosen company code.

Parameter	Description
Company Code	The applicable company code.

Example =GLW_Company_Code_Name(“1000”)

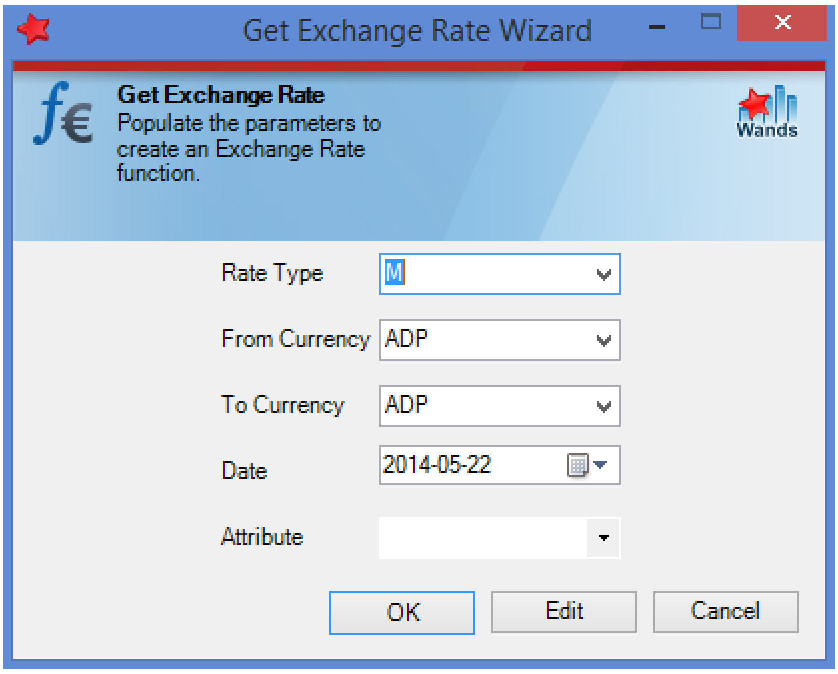
3.9.16 Exchange Rate

Returns the exchange rate for the given parameters.

Parameter	Description
Rate Type	The exchange rate type in SAP
From Currency	From currency
To Currency	To currency
Date	Exchange rate date
Attribute	Enter the text value of the attribute

Example = =GLW_Get_Exchange_Rate("M","USD","MXN","20140522","")

Clicking the Exchange Rate button on the toolbar opens a wizard.



Using the drop down selectors, choose the value for each parameter that you wish to use to retrieve the exchange rate from the SAP system. The rate on the date selected or the most recent rate prior to that date will be returned for the rate type and from and to currency combination chosen.

Use the attribute parameter to return either the actual exchange rate date that is recorded in your SAP system for the chosen combination or to return the value for the “To” or “From” factors. These factors are important when currencies require them to be applied to the rate.

Note: If using the Exchange Rate Date attribute, remember to set the cell format to date for the result to be formatted correctly.

3.9.17 Function return values

The GL Wand functions will return a variety of results depending on a number of factors. If all the information is entered correctly and there are no restrictions on access to the data or GL Wand itself, the result should be the General Ledger balance, FICO object value, FICO description etc. However the following are also possible return values:

- glwError – (Auth –xxxx) – When you log on you will be prompted for your applications user name and password. Any authorizations that have been linked to your user will be enforced on the GL Wand data. If you attempt to access a balance on a general ledger account that you do not have access to, the function will return the word “glwError – (Auth –xxxx)”.
- glwError – If you enter invalid information in a parameter for a GL Wand function the GL Wand error value will be returned. This may happen when you, for example, enter an invalid balance type in the Get Balance function or when you enter an invalid FICO Object number in the next FICO Object value function. This error value will also be returned when you are not logged on. The details of the return value will indicate where the problem exists e.g. glwError (Not Logged on), glwError (Balance Type), glwError (Actual/Budget), glwError (Period).
- glwPending – This value will be returned during the calculation process. Whenever a cell requires calculation and the process has not been completed yet, the cell will contain the value “glwPending”.

3.10 Discovering versus Functions

You may have noticed that you can achieve similar results by using the discover tools and using the functions. For example you could use the “Discover Down” button to retrieve the next FICO Object value or you could use the “Next FICO Object Value” function to return the same result. The difference between these two approaches is as follows:

Comparison between Discovering and Functions	Discovering	Functions
	Results returned as text string to Excel cell	Value is calculated based on parameters
	Value is static	Value is dynamic
	Never changes	Recalculated when sheet refreshed
	Lower performance overhead	Higher performance overhead
	Discover Down	Next FICO Object Value
	Discover Up	Previous FICO Object Value
	Discover Left	Next FICO Object Value
	Discover Right	Previous FICO Object Value
	No equivalent	FICO Object Description
	Change Discover Level	No equivalent
	No equivalent	Get Balance

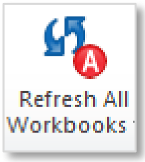
3.11 Calculating

The three calculation buttons allow you to control exactly what cells are refreshed from SAP. They are used in conjunction with the GL Wand calculation option (on/off). You can stop a calculation at any time by clicking cancel.

- [Calculate Range]

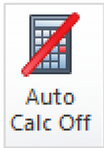
- [Calculate Sheet]

- [Calculate Workbook]



- [Calculate All]

- [GL Wand calculation on]



- [GL Wand calculation off]

3.11.1 Calculate Range, Sheet, Workbook or All Workbooks

The four calculation buttons allow you to control exactly what is recalculated.

To calculate a range of cells

1. Highlight the range
2. Click the “Refresh Range” button
3. Select multiple ranges using the ctrl button (as normal in Excel)
4. Select a range and then select multiple Excel worksheets to calculate the same range on each sheet

Recommendation: For maximum performance, use the calculate sheet button to calculate an entire sheet. This will be faster than using the calculate range method for an entire sheet.

To calculate a sheet

1. Select the applicable sheet
2. Click the “Refresh Sheet” button
3. Selecting multiple sheets will calculate each of the selected sheets

To calculate all sheets in the current workbook

1. Click the “Refresh Workbook” button

To calculate all sheets in all open workbooks

1. Click the “Refresh All Workbooks” button

3.11.2 GL Wand calculation on or off

You can use the GL Wand calculation toggle button to control when requests for calculations are sent to the SAP server.

If you toggle GL Wand calculation “Off”, calculation requests are not sent to the SAP server which means you

- you can manipulate a worksheet
- change cell values
- enter new formulae; and
- perform any other task that would normally cause Excel to recalculate
- and the applicable functions will only return the “glwPending” status and will not actually calculate a result.

This is useful during report development.

To calculate the results simply click one of the four calculation buttons “Calculate Range, Sheet, Workbook or All Workbooks”.

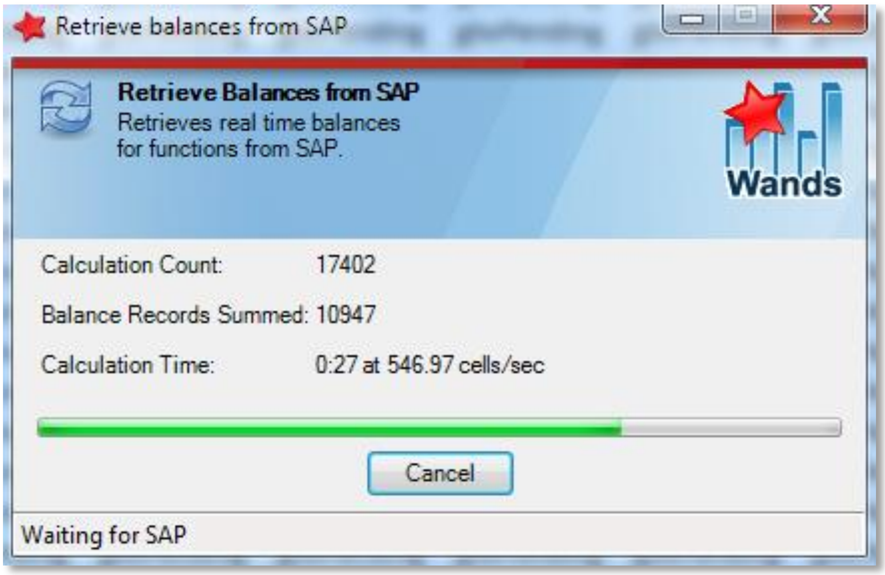
If you leave the GL Wand calculation option “On”, the applicable functions will be recalculated whenever Excel initiates a calculation process e.g.

- when changing the contents of the cell
- changing one of the functions input values

Please note that the GL Wand calculation option has nothing to do with Excel’s automatic and manual calculation. The GL Wand calculation option controls only the calculation of the applicable GL Wand functions. All other calculations are controlled as normal by the Excel automatic and manual calculation option.

3.11.3 Calculation progress and stopping a calculation

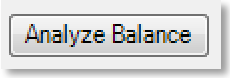
When you perform a recalculation a window will appear to show the progress of the calculation.



If you would like to cancel the calculation process simply click the “Cancel” button.

Please note that GL Wand will need to wait for the next reply from SAP before the connection can be closed. Therefore it may take some time before the calculation stops and the window closes.

3.12 Analyze Balance



Click on the GL Wand User Settings button on the GL Wand Toolbar to open the User Settings form. The Analyze Balance button allows you to extract detail about a specific "Get Balance" function and is used specifically for troubleshooting. The columns of information that are displayed are determined by your Custom Drill Down Layout.

Classic GL Analyze Balance Results (1000 - IDES AG - 12/2008 - GLW_Get_ClassicGL - 2012/08/29 10:23:35 AM)

Company Code	Account	HSLVT	HSL01	HSL02	HSL03	HSL04	HSL05	HSL06	HSL07	HSL08	HSL09	HSL10	HSL11	HSL12	
1000	1000	-0.02	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	16 149 771.15	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	8 180 670.10	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	6 538 144.93	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	6 069 034.63	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	5 170 183.50	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	860 732.76	-	-	-	-	-	-	-	-	-	-	-	-	
1000	1000	23 383 096.72	-	-	-	-	-	-	-	-	-	-	-	-	
		66 351 633.77	-	-	-	-	-	-	-	-	-	-	-	-	66 351 633.77

3.13 Drill Down

The drill down allows you to extract additional detail about a specific "Get Balance" function. You may drill down on a Get Balance formula by selecting the cell and clicking the Drill Down button on the toolbar, or by simply double clicking on the cell itself.

It is possible to drill from a Get Balance formula directly to the line items which represent that Get Balance formula. Similarly you can drill from a line item to the document information. Be careful when performing a drill down as these drill down operations may return many records.

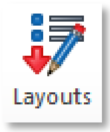
GL Wand will automatically prepare the line items and document drill down reports based on your settings made in the Custom Drill Down Layouts. Headings are also inserted on the journal and document drill downs to make the report easier to read.

A couple of important things to note about drill downs:

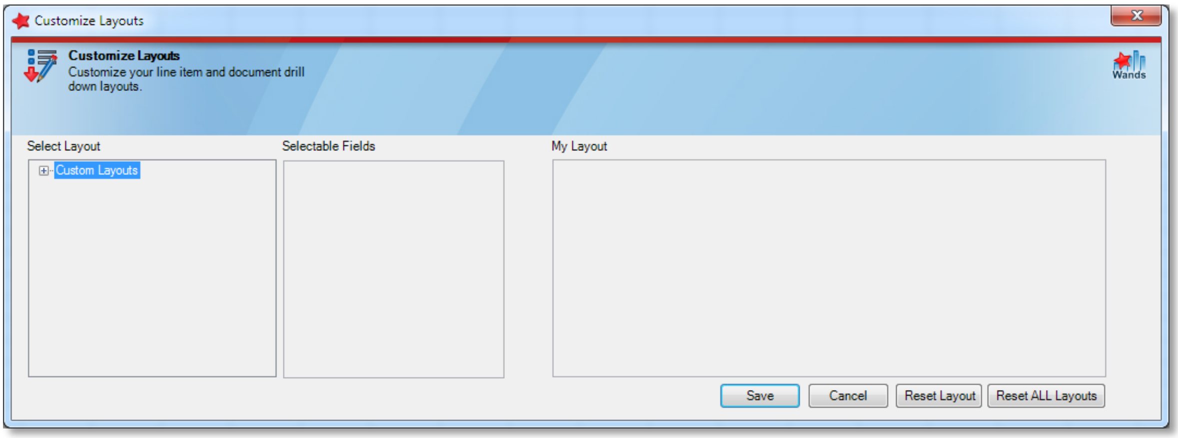
- GL Wand will first count the number of rows that will be retrieved by the drill down operation
- If the row count is more than 1000 you will receive a warning message asking you if you want to continue
- When you drill down to line items, the "Balance Type" parameter controls how much detail is returned. If this parameter is "PTD" only the current period's line items are returned. If this parameter is "YTD" then all the line items for the year and previous years are returned and likewise "QTD" will show the line items for the quarter.

Ensure that the worksheet is calculated before performing any drill down functions. Also ensure that the cell contains a "Get Balance" function with valid parameter information.

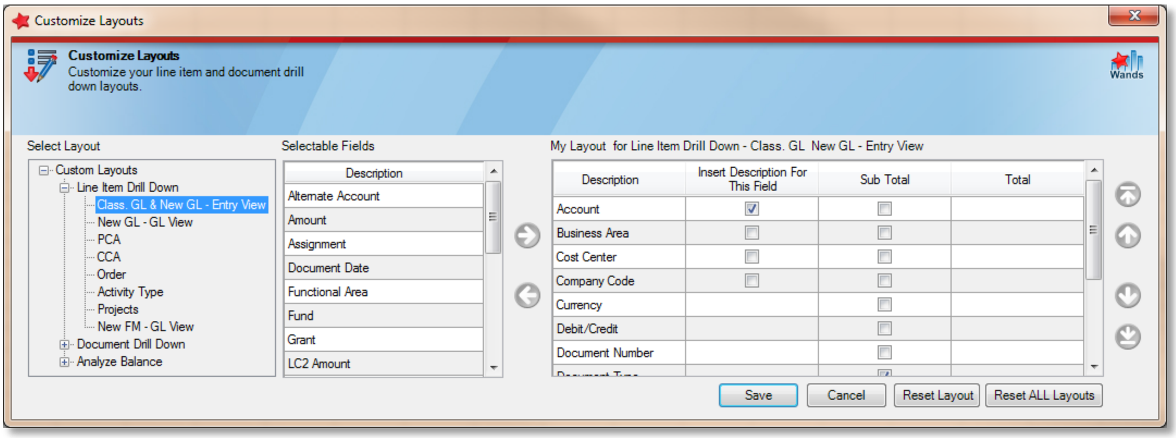
3.14 Custom Drill Down Layouts



When clicking on the Edit Custom Drill Down Layouts button you are presented with a form that contains three windows. The first window allows you to select the layout that you wish to customize. The layouts are grouped by line item drill down, document drill down and analyze balance. Click the + sign to open the section of layouts that you wish to customize.



In this example we have selected the GL Line Item Drill Down Layout. You can expand the size of the form by selecting the bottom right hand corner and dragging it down and to the right in order to show the windows in the form.

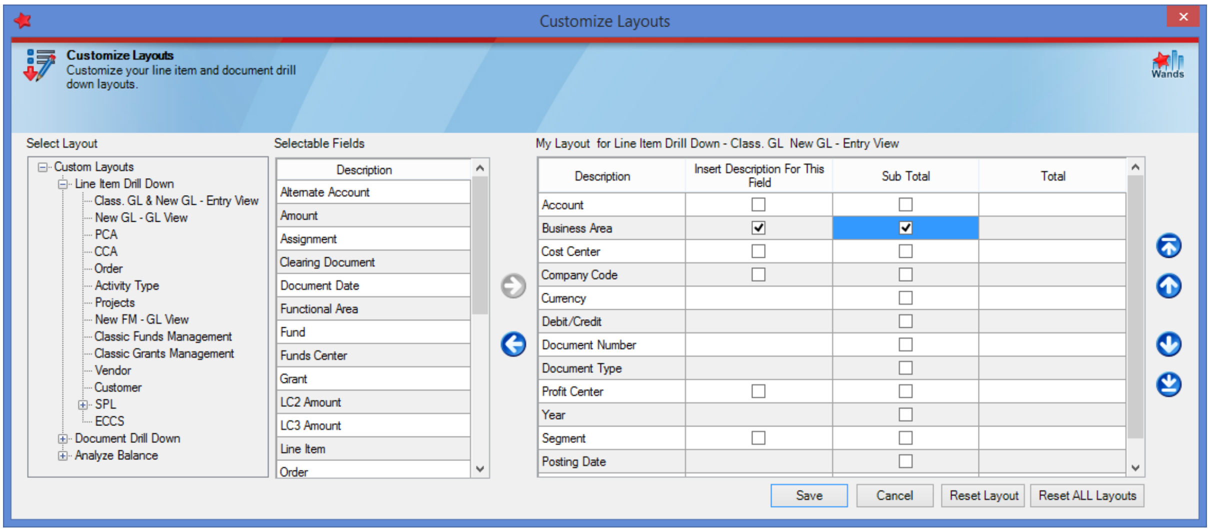


The second window shows the selectable fields. These are fields that you can add to your custom layout. The third window shows the fields that have been selected for your "My Layout". Some fields are already selected for your layout and they are mandatory fields which are required in the drill down process for proper formatting of the output as well as authorization processing. You will not be able to remove these fields from your layout.

To add a field to your layout, simply drag it from the selectable fields to your layout. You can also double click the field or select it with a single click and click the green button to add it to your layout.

Similarly to remove a field from your layout you can drag it back to the selectable fields, double click it or select it and click the red button. You can also change the order of the fields in your layout by dragging them up or down or selecting it and using the blue arrows on the right of the form. The order of the output of the drill down will be the same as the order of the fields in the My Layout window.

In the My Layout window, there are also three columns with check boxes next to certain fields. These are for inserting the description of the field, sub totaling and Totaling. If you click the check box to insert the description for the field a column next to the field in your drill down output is automatically inserted and the description for that field inserted. If you would like your output to automatically subtotal the output or total the output for that field simple click the check box next to that field. In the example below we have added the Amount in Local Currency field. We have also set the Business Area Description to be inserted and sub totaled.

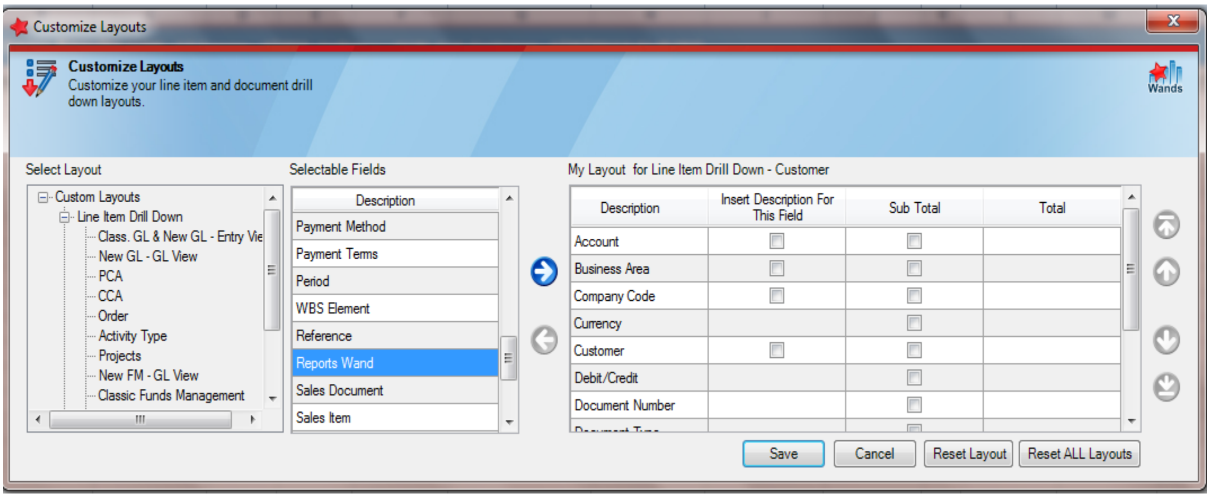


The result of the drill down to line items below shows the output is sub totaled by business area. The business area description has also been automatically inserted. The Excel subtotal buttons on the left can be used to easily expand and contract the values for your analysis.

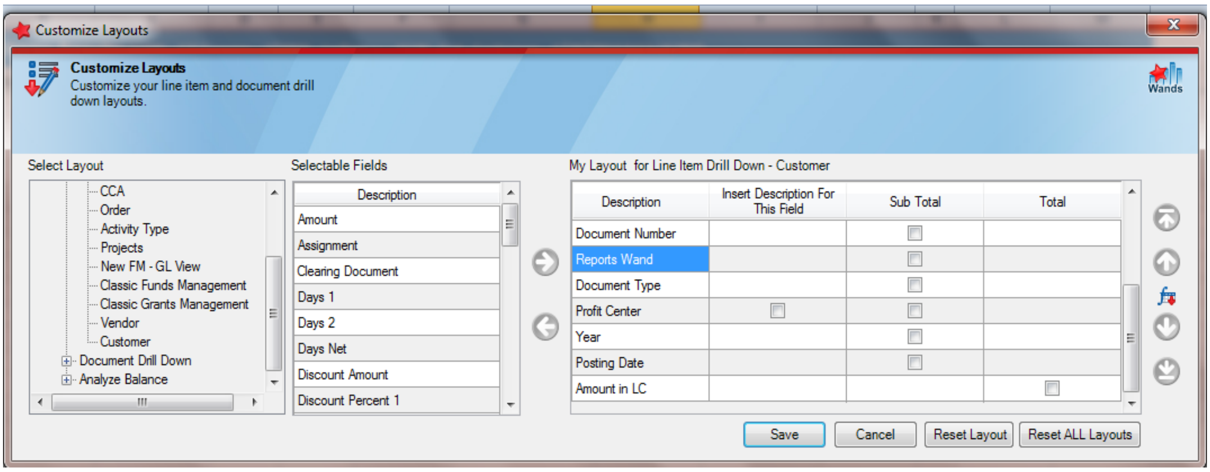
	A	B	C	D	E	F	G	H	I	J	K
1	GL Line Items Results (1000 - IDES AG - 1/2004 - Ledger = 00 - GLW_Get_ClassicGL - 2011/07/14 11:08:03 AM)										
2	Account	Business Area	Business Area Description	Cost Center	Debit/Credit	Document Number	Document Type	Profit Center	Year	Segment	Amount in LC
24		1000 Total									16,149,771.14
25	1000	2000	Plant engineering & construct.		S	0100005849	AA		1997		7,669,378.22
26	1000	2000	Plant engineering & construct.		S	0100005853	AA		1997		511,291.88
27		2000 Total									8,180,670.10
38		3000 Total									6,538,144.93
42		4000 Total									6,069,034.62
49		7000 Total									6,030,916.26
81		9900 Total									23,383,096.76
82		Grand Total									66,351,633.81
83											

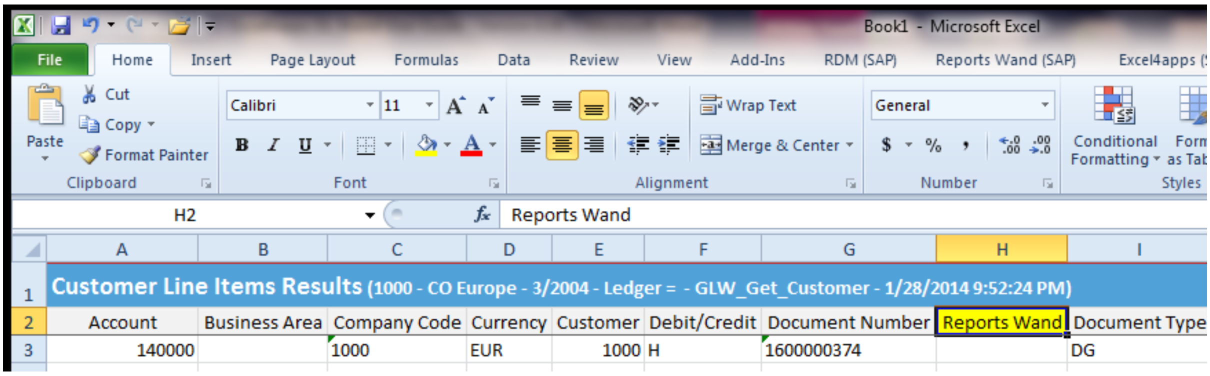
3.14.1 Using Reports Wand drill function in a GL Wand drill down layout

Once a GL Wand drill down has been executed, a Reports Wand drill can be inserted and linked to an existing SAP query. When clicking on the Layouts icon, select the Line Item Drill Down for the type of balance you have retrieved (which is the balance you drilled into). Look for the field Reports Wand in your Selectable Fields and add it to the My Layout by using one of the methods from above. Reminder, you will need to Save your new layout and you won't see the change reflected in your layout until the drill is re-executed.



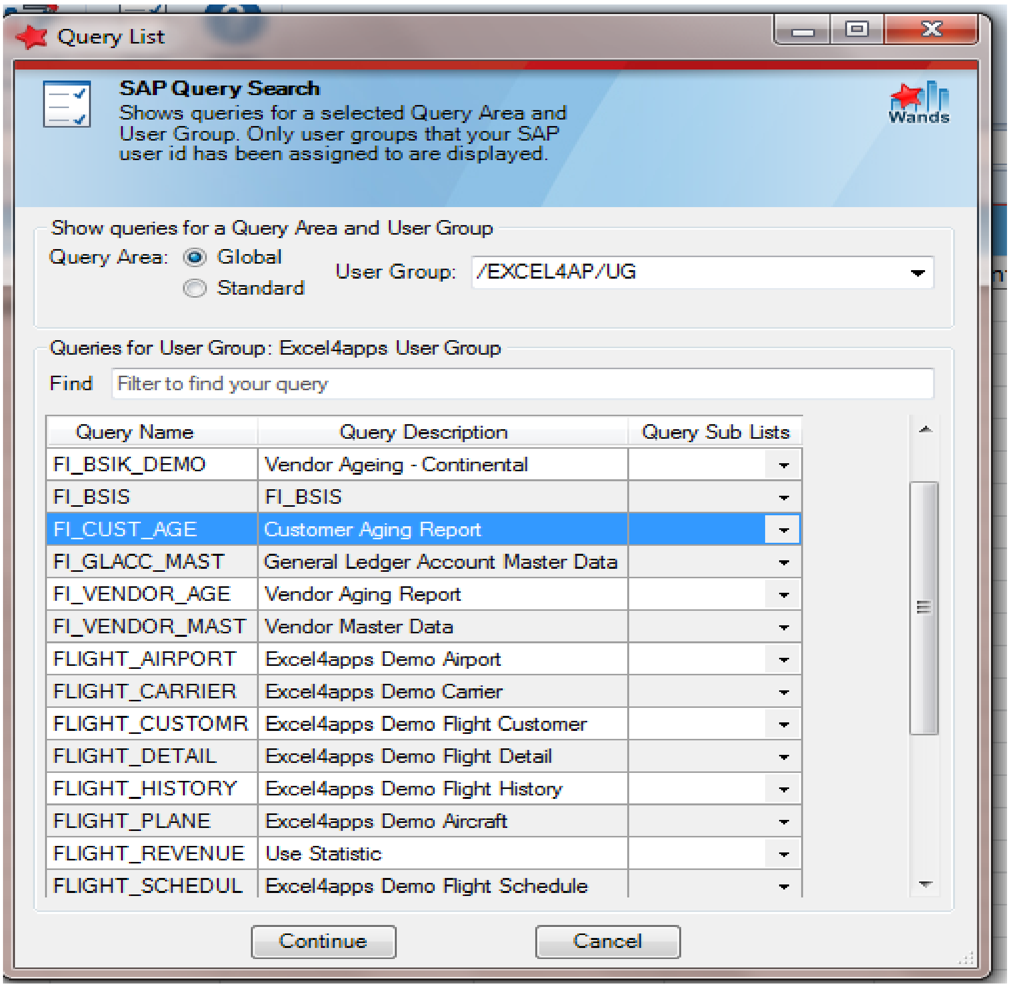
After the Reports Wand field has been added to the My Layout section you will then see it reflected in the Drill Down Layout.



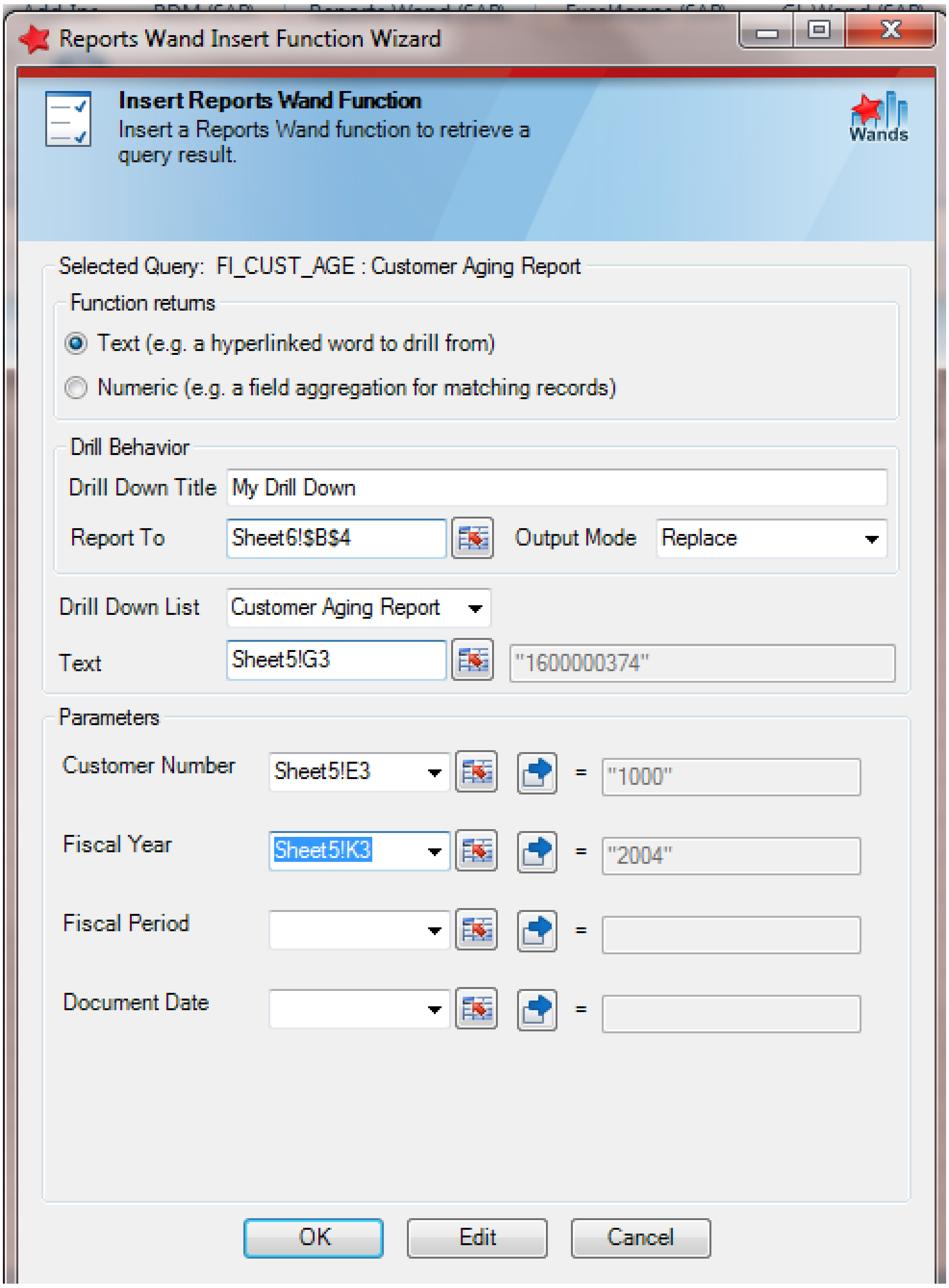


Next we need to go to the Reports Wand add-in. Make sure to place your cursor on the first cell (H3 in the example above) in the Reports Wand column and select the Insert Query Function from the ribbon.

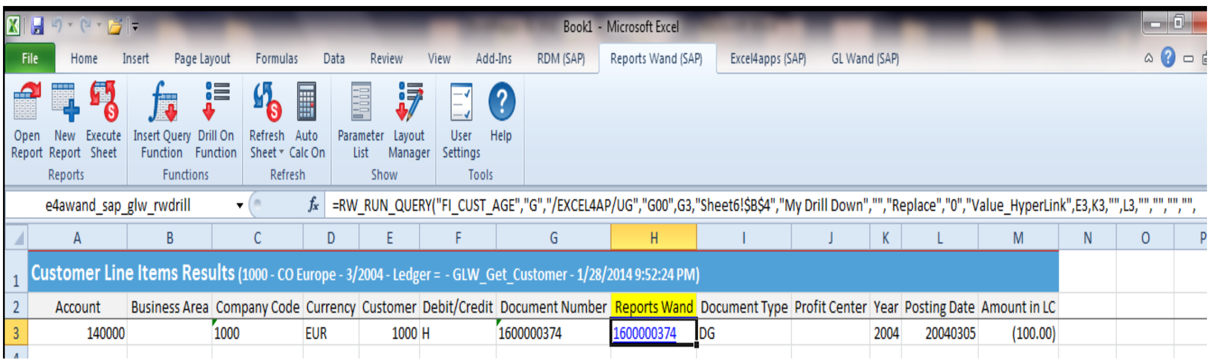
Upon selecting the Insert Query Function you will see the following Query List selection window. You will need to find the SAP query you want to drill into, select it and then Continue.



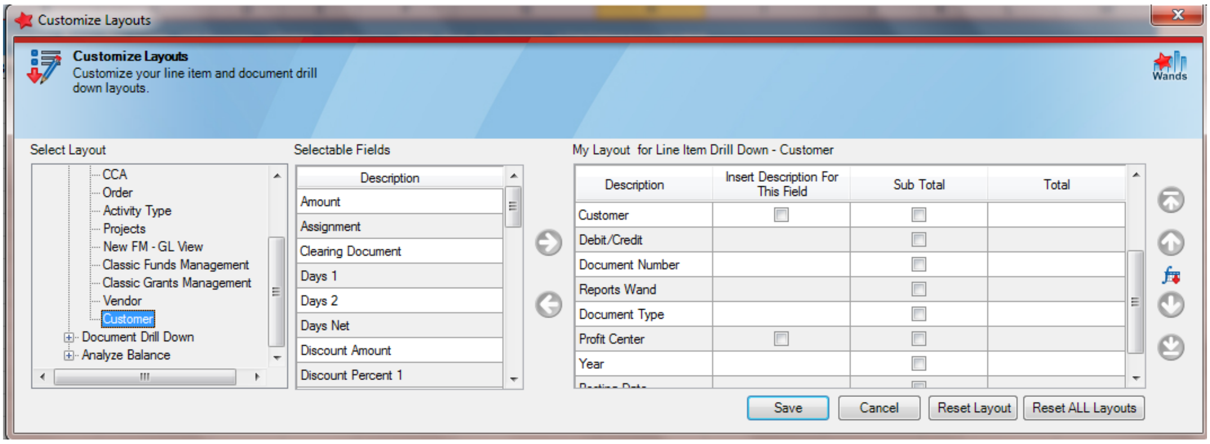
Next, the Insert Function Wizard screen will appear. In this screen you will select the type of value to return: Text or Numeric.   Also, on this screen you will type in a title for your drill down, select a cell in your workbook where you want the Report To land, and then cell reference the remaining data fields.



Once you enter Ok, you will see the hyperlinked field (for Text) or a balance amount (for Numeric).

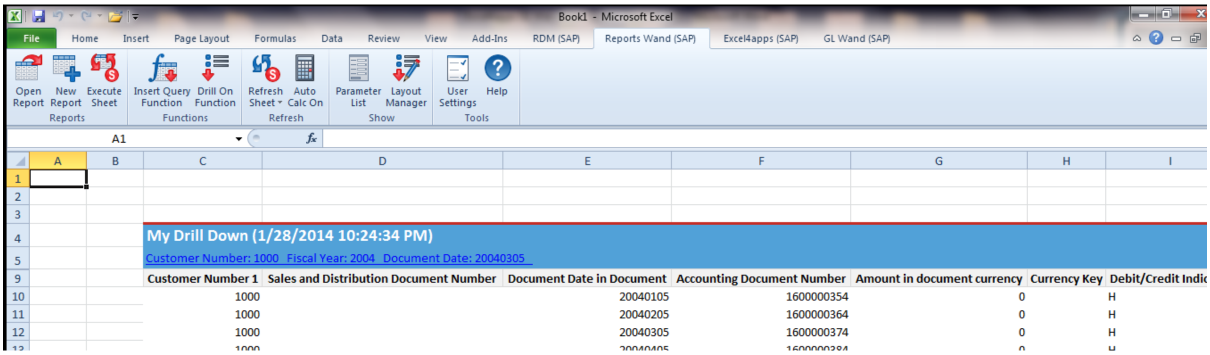


The last step involves copying the RW_RUN_QUERY formula found in the formula bar back into the Drill Layout screen and linking it to Reports Wand field that was added to the My Layout area. Just highlight the entire RUN_QUERY formula from the formula bar and press Ctrl-C to copy it. Then go into the GL Wand add-in and select Layouts once again. Go to the layout from above and notice the icon to insert a Reports Wand query on far right side.



Select the icon and you will see a small window. Paste (Ctrl-V) the formula from earlier and select OK. Then once again Save the layout.

You will now be able to drill into your SAP query by double-clicking (or selecting Drill On Function from the Ribbon) and view your new drill down report.

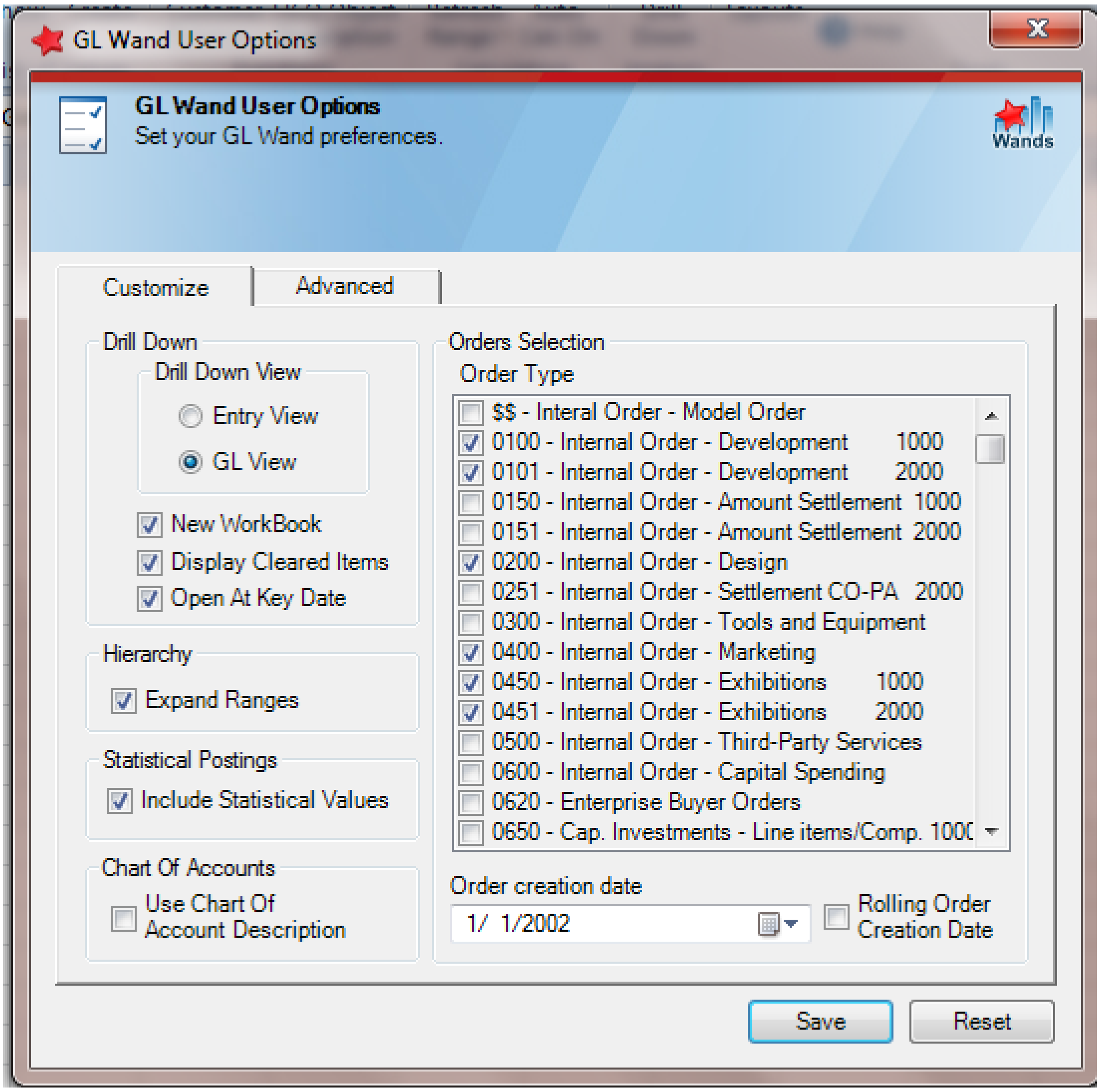


Refer to the Excel4apps Reports Wand User Guide to learn more about all of the functionality of this product.

3.15 User Settings

The user options form allows you to

- Set preferences
- Set tracing capability
- Analyze balances



3.15.1 Order Selection

The number of Orders in a SAP system can be substantial of which many could be historical and therefore not applicable to the analysis you would like to perform. To identify and limit the number of Orders you would like to work with in GL Wand you would set your preferences here.

Order Type

You can limit the Orders that GL Wand selects by selecting the check box next to the Order Type. Only Orders of these type(s) will be retrieved by GL Wand.

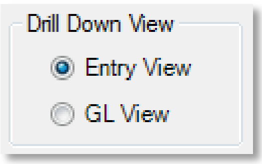
Order Creation Date

The Orders retrieved by GL Wand will be determined by the Order Creation Date that you select here, in conjunction with the Order Types you selected above. In the example above GL Wand will select all Orders of type 0100 that were created since 1st January 1986.

Rolling Order Creation Date

The Rolling Order Creation Check Box will allow the creation date to move forward with time. So if you always wish to work with Orders created in the last year you can select an Order Creation Date of a year ago and then select the Rolling Order Creation Date check box. This will then have GL Wand retrieve Orders of the type you previously selected created over the previous year.

3.15.2 Drill Down View



The drill down view type corresponds with the view in the New GL in SAP. Select the view you would like when drilling down in GL Wand if you are using the New GL with custom fields.

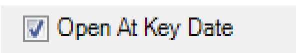
3.15.3 New Workbook

The New Workbook option determines if a new workbook is created for the drill down output or a new sheet in the existing workbook.

3.15.4 Display Cleared Items

This option will enable cleared line items to be displayed in the GL line item drill down.

3.15.5 Open at Key Date



This option will show line items that were open at the key date when using the Customer or Vendor balance functions.

3.15.6 Statistical Postings

This option will enable Statistical CO Postings to be included in the balance as well as in the line item drill down.

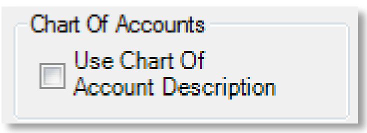
3.15.7 Hierarchy

The Expand Ranges check box works in conjunction with the [Discover Hierarchy](#) functionality.

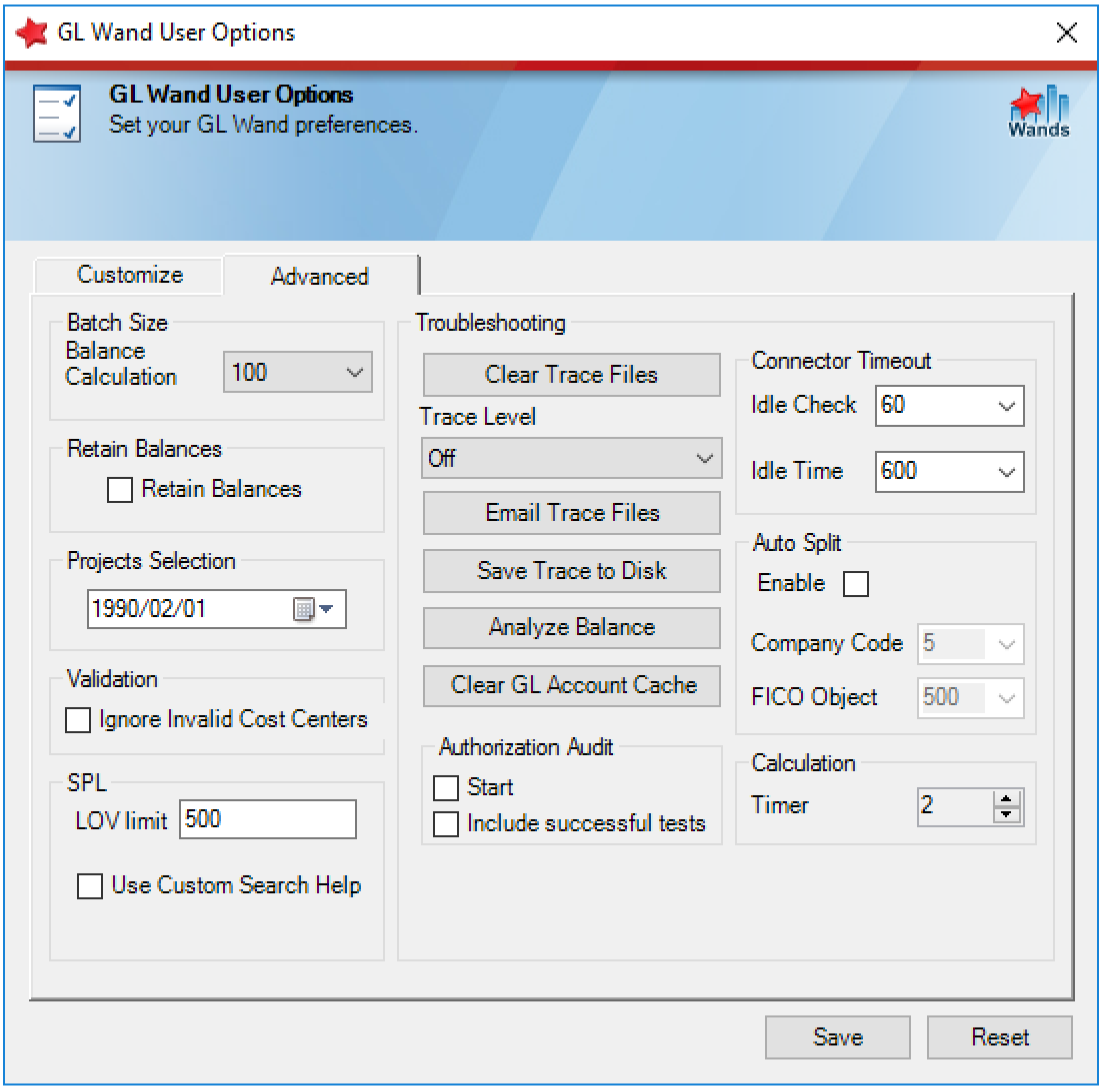
Expand Ranges Off	Expand Ranges On
OAS-UMSATZ	OAS-UMSATZ
800000:809999	800000
830000	800001
	800002
	800200
	800997
	800998
	800999
	801000
	801001
	801002
	802000
	802001
	802002
	804000
	807000
	808000
	809000
	809100
	809200
	830000

In the example above, we see an Account Group called OAS-UMSATZ that has been discovered using the Discover Hierarchy functionality for Parents and Children. The first column was performed with the Expand Ranges check box deselected while the second column had the Expand Ranges check box selected. This shows how the range of accounts of 800000:809999 has been expanded into the individual child account values that exist in that range.

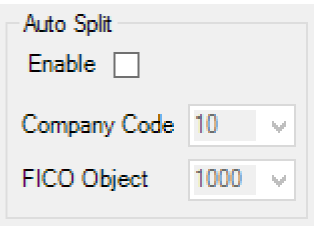
3.15.8 Chart of Accounts Descriptions



The Chart of Accounts Descriptions option allows the user to set the GL Wand get description function for GL Accounts to use the Chart of Accounts description instead of the Company Code Description. This is useful in the case where two company codes are linked to the same chart of accounts but the account has not been created for one of the company codes at the company code level. The description of that account number will then be taken from the chart of accounts.

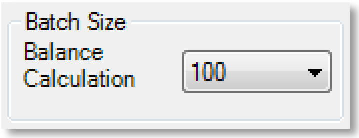


3.15.9 Auto Split



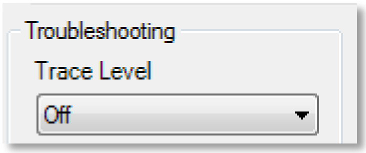
The auto split option has replaced the optimize groups option. The auto split option is by default not enabled and is recommended not to be used unless required for a specific issue and should be disabled for running all other normal workbooks. Once enabled the option allows the selection of the number of company codes or FICO objects to split a select statement up by in order to avoid a database limitation or improve performance. This option only applies to lists of values and will not split up ranges of values. As an example if the company code drop down list has a value of 5 selected and your function has a list of 10 company codes in it, it will automatically split the select statement into multiple selections of 5 company codes at a time. This option can avoid database limits or in some cases improve performance.

3.15.10 Batch Size

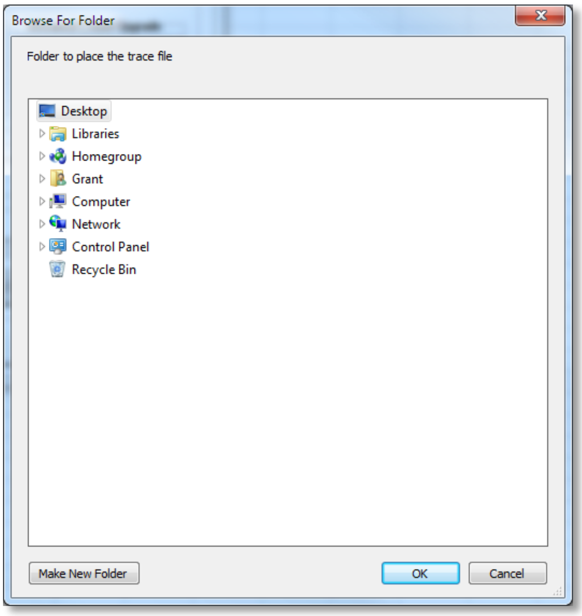


The batch size controls the number of balance requests sent to SAP at a time. It is recommended setting this at 100 but may be changed to suit your system. Note, that you can now set the batch size as low as 5.

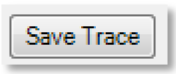
3.15.11 Trace Capability



A Trace file is used for troubleshooting purposes and could potentially be requested from you by a support consultant from Excel4apps. The process is as follows:



1. Set the trace level to the desired setting or as specified by the support consultant.
2. Close the user settings form by clicking the Close button.
3. Re-perform the action(s) that resulted in the problem.
4. Open the user settings form again.
5. Click on Save Trace.



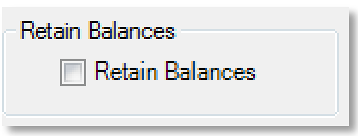
6. Select a folder to save the Trace file in.
7. Click Ok.

You will then be requested to email the file to the support consultant.

3.15.12 Analyze Balance

See the Analyze Balance section above.

3.15.13 Retain Balances



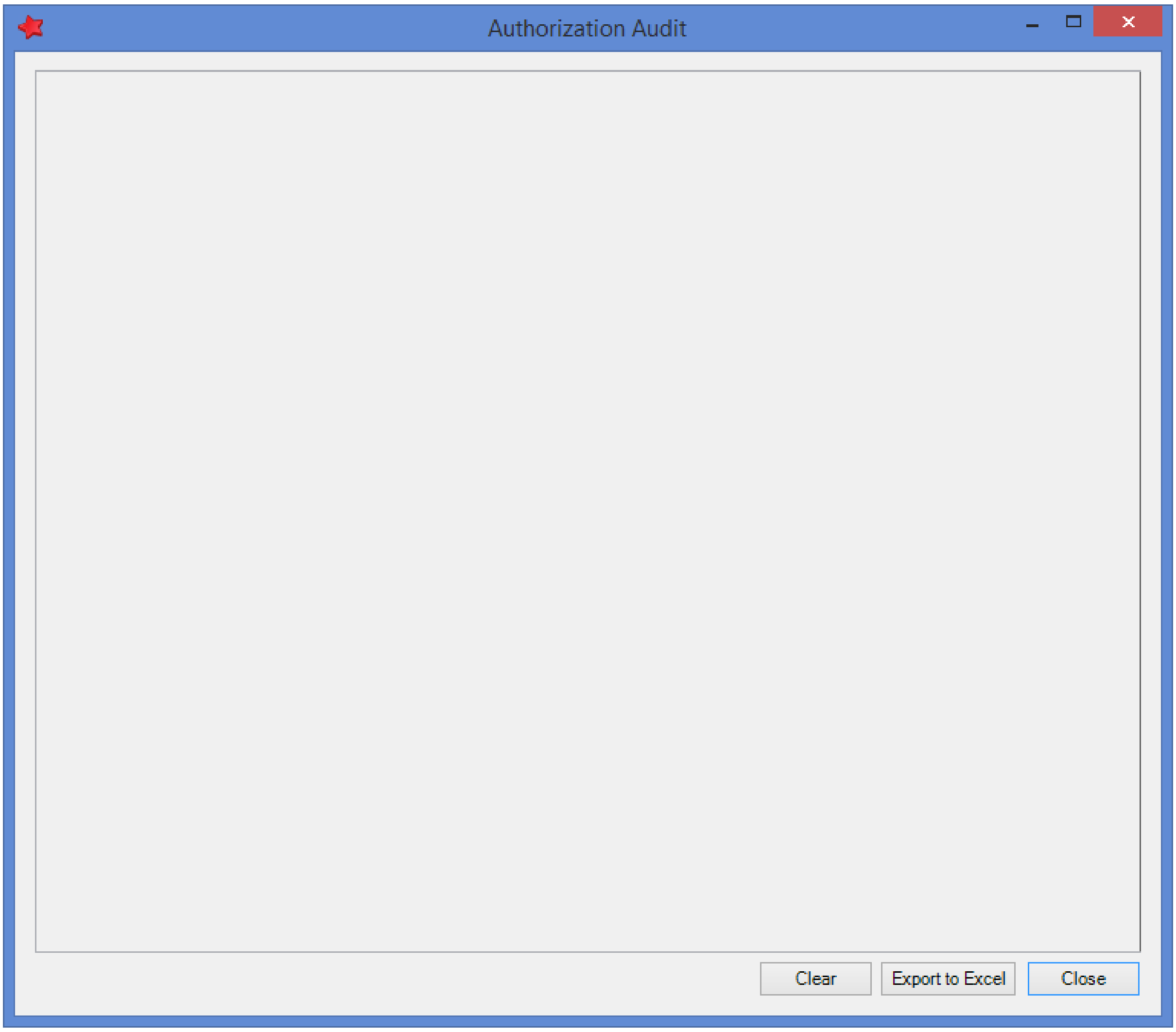
The retain balances option allows you to retain the previously calculated balances that were saved when saving the workbook on reopening that workbook. This is only possible currently under certain conditions. If this option is selected, and the workbook has been saved as an Excel 97-2003 “xls” workbook and the GL Wand auto calculation is turned off, then your saved balances are restored with the values they had at the time of saving the workbook. If you do not select this option and the GL Wand auto calculation is turned off your balances will show as “glwPending” and you may then refresh that workbook. If you select the Retain Balances option and you are opening an “xlsx” i.e. an Excel 2007/2010 workbook your balances will show a zero and they will need to be refreshed. If the GL Wand auto calculation is turned on, then the workbook will always refresh the balances on opening a workbook.

3.15.14 Clear GL Account Cache

If the Site Option to persist GL Account master data has been selected and you would like to refresh the GL Account master data completely you can click this button. The next time you logon and refresh GL Account master data, the cache will be refreshed.

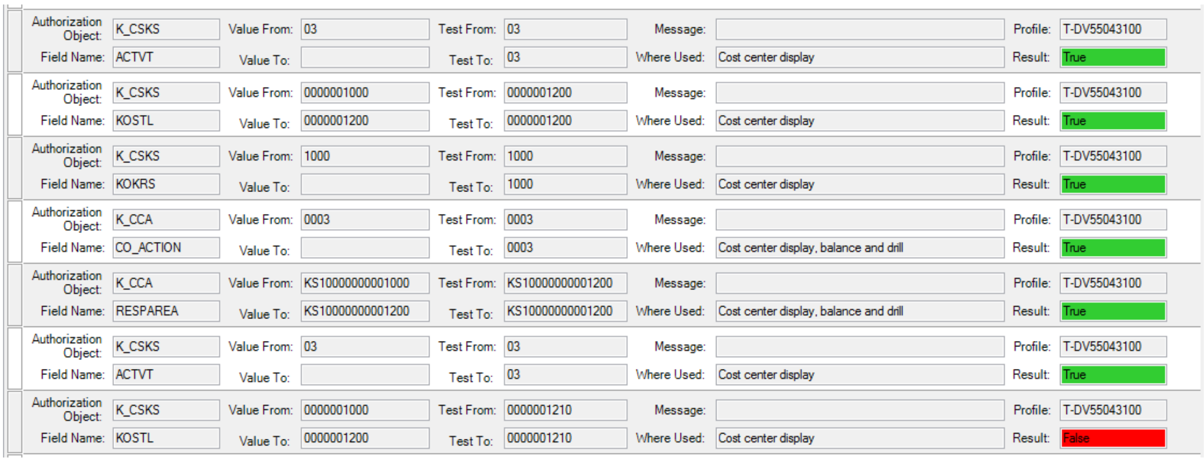
3.15.15 Authorization Audit

An authorization audit will provide troubleshooting information regarding authorization tests being performed in GL Wand. An authorization audit can be done during the various processes such as retrieving master data, getting balances and drilling down. In order to start an authorization audit, click on the Start check box. A new window will open.

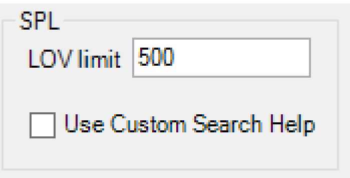


Optionally, you may also click the Include successful test option for feedback on successful authorization tests. Close the GL Wand User Options form by clicking the Save button. The system will now feedback authorization tests to this new window. Perform the action you want to verify and you will see the new window populating with the relevant information. It is important to limit your test as much as possible. For example log on with only a single company code or refresh only a single get balance function. If you need to verify master data retrieval you may be required to log on again with GL Wand.

In the example screenshot below, we can see that the user in question has authority to display cost center 1000 to 1200 and so the authorization test fails when tested against cost center 1210.



You are also able to clear the form or export the information to Excel where you can filter the results easily.



3.15.16 SPL

The SPL (Special Purpose Ledger) LOV limit will limit the number of selections made when showing a list of values for an SPL parameter. This can be set as desired. The use custom search help option will refer to the previously configured custom search help settings. See the connector user guide on how to configure these.

Note: The custom search help list of values are not limited by the SPL LOV limit so caution is required when configuring and selecting the custom list of values.

3.15.17 Connector Timeout

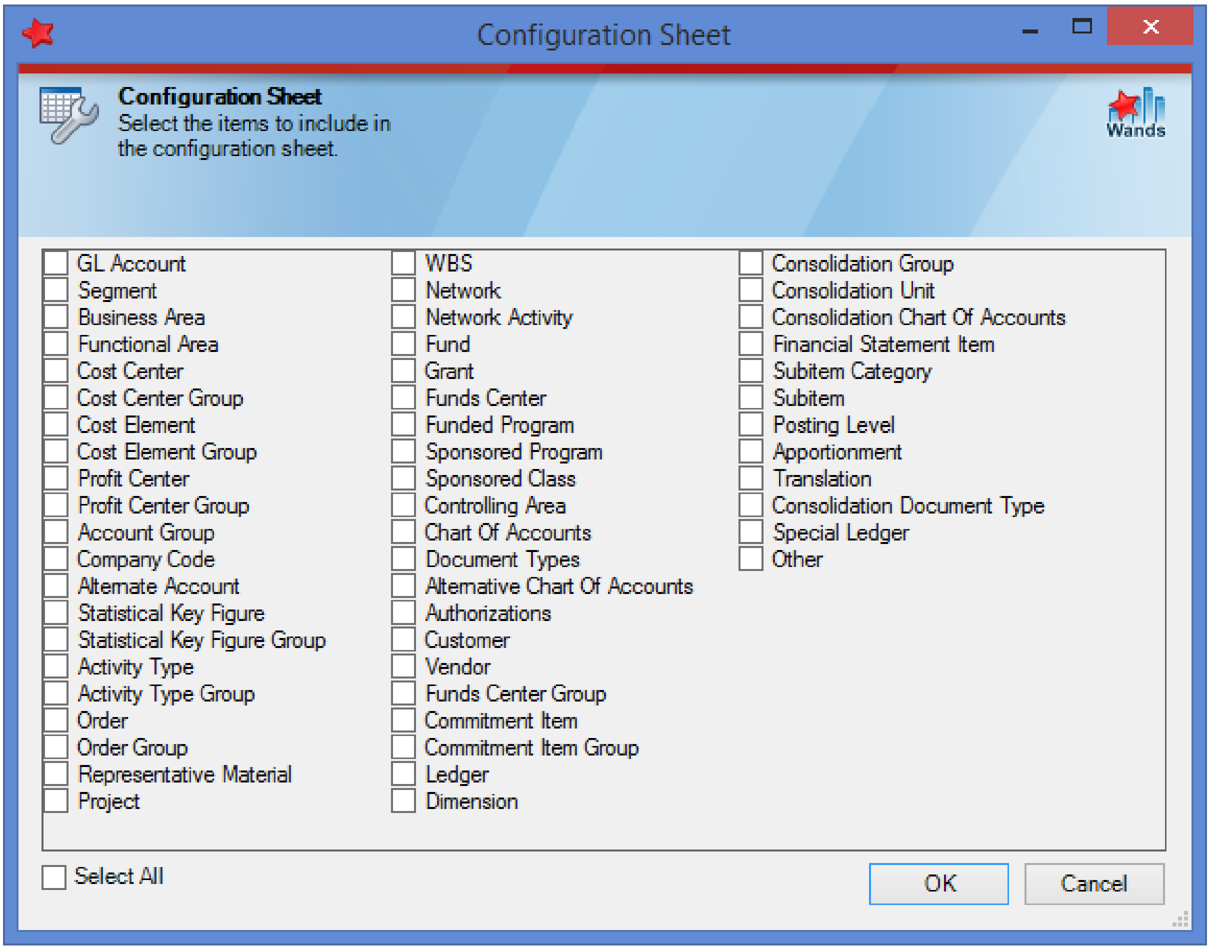
The idle check setting determines the interval at which the SAP .NET Connector checks for idle connections in seconds. The idle time check setting determines the length of timer that a SAP .NET connection remains idle until it is automatically closed. The default for both of these settings is 60 seconds. Changes to either of these settings will require you to log on again. You should not change these unless requested to do so by an Excel4apps support consultant.

3.15.18 Calculation Timer

The calculation timer may assist with large complex workbooks where the calculation timer prematurely times out before collecting all functions to be processed in SAP. Increasing this timer value may assist with this issue. A change to this value requires Excel to be restarted. The standard value is 2.

3.16 Configuration Sheet

The configuration sheet creates a new workbook and displays the master data for the company codes that you selected when you logged on to GL Wand. It also displays other useful information such as the children resolved for a group or the authorizations the user has etc. This information is used for troubleshooting purposes. The configuration sheet can be run for all of your FICO objects or it can be run for individual objects by selection as seen below:



3.17 Help

- Help

Use the help button to access the latest online version of the help file.

3.18 Hide Zeros

The hide zeros function will hide all rows of data where a get balance formula has returned a balance of 0. For the functionality to work, all get balance values in the row must = 0 to hide the entire row. For example the following report has balances = 0:

GL Acct	GL Acct Description	Amount
1000	Real estate and similar rights	0.00
1010	Accum. depn - real estate and similar rights	-98,568.00
2000	Buildings	0.00
2010	Accumulated depreciation-buildings	0.00
11000	Machinery and equipment	0.00
11010	Accumulated depreciation - machinery and equipment	-24,447.00
11011		0.00
12000	Low value assets	0.00
12010	Depreciation - Low value assets	0.00
21000	Fixtures and fittings	0.00
21010	Accumulated depreciation - fixtures and fittings	-7,399.00
22000	Low value assets (fixtures and fittings)	0.00

However, if we select the column with the amounts and select Hide Zeros on the GL Wand ribbon (far right-hand side), then the report above will now look like this:

GL Acct	GL Acct Description	Amount
1010	Accum. depn - real estate and similar rights	-98,568.00
11010	Accumulated depreciation - machinery and equipment	-24,447.00
21010	Accumulated depreciation - fixtures and fittings	-7,399.00

3.19 Convert Classic GL and PCA functions to New GL function

The recommended approach here is to rebuild the report using the New GL function for clarity and usability reasons. If the report is structured well this should not be a lengthy process as the formulas are easily copied and pasted. As a temporary solution though it is possible to convert an Classic GL function or a PCA function to use the New GL function.

This can be done with the following process.

3.19.1 Classic GL

Rename the ledger in all Classic GL functions by replacing “00” with “0L”. Rename all the GLW_Get_ClassicGL functions to GLW_Get_ClassicGL_To_New.

3.19.2 PCA

Rename the ledger in all PCA functions by replacing “8A” with “0L”. Rename the currency type in all PCA functions by replacing “20” with “10”. Rename all the GLW_Get_PCA functions to GLW_Get_PCA_To_New. If the PCA function used a single company code in its company code parameter then nothing more needs to be done. Otherwise the “*” in the company code parameter will need to be populated with the correct value.

These newly named functions will now retrieve their balances and drill down from the New GL.

4 Server Component

4.1 Installation

Please refer to the Excel4apps Wands Server Installation guide for installation of the server component and details of the minimum user authorization role provided.

5 Error Messages

Below is a list of GL Wand error messages with a description of what they mean.

Error Code	Description
glwError (Numerics - Year)	Enter a numeric value for the year parameter
glwError (Company not cached)	Company code not selected in initial logon
glwError (No Exclude - Period)	Excludes not allowed in the period parameter
glwError (No Period)	No period entered
glwError (No Exclude - Version)	Excludes not allowed in the version parameter
glwError (Period)	Period parameter error, e.g. range of periods entered for YTD balance type
glwError (Balance Type)	Invalid balance type
glwError (Currency Type)	Invalid currency type
glwError (Actual/Budget)	Enter an “A” for actual or a “B” for budget
glwError (Invalid ledger)	Enter a valid ledger. The relevant get balance wizard can assist here
glwError (No Ranges - Groups)	Ranges of a group value are not allowed
glwError (No Exclude - Groups)	Excludes not allowed in groups
glwError (Ranges must ascend)	Ranges need to be in ascending order e.g. 1000:2000
glwError (Values OR Groups)	You may make entries in either the values section for a FICO object OR the groups values section. Not both.
glwError (Auth - Profit Center)	Profit Center authorization failed
glwError (Auth - Ledger/Version)	Ledger/Version authorization failed
glwError (Controlling area not cached)	None of the company codes selected in the initial logon have the controlling area selected
glwError (Auth - GL Account)	GL Account authorization failed
glwError (Auth - Business Area)	Business Area authorization failed
glwError (Auth - Segment)	Segment authorization failed
glwError (Auth - Cost Center)	Cost Center authorization failed
glwError (Auth - Functional Area)	Functional area authorization failed
glwError (Not Logged on)	Not logged on to SAP
glwError (Administrator Mode)	Administrator only is logged on and therefore cannot get the balances
glwError (NewGL not active)	The New GL is not active in your

	system
glwError – Invalid Cost Center or not cached	The cost center in the formula has not been found in the cached list
glwError – Invalid Order or not cached	The Order in the formula has not been found in the cached list
glwError - Multi Company Codes – Currency/Chart of Accounts/Controlling Area	The company codes selected have either different currencies, chart of accounts or controlling areas respectively
glwError – No Ranges – Cumulative Projects	Ranges may not be used with the cumulative setting for project objects
glwError – no Ranges – Network Activities	No ranges may be used for network activities
glwError – Invalid Project Object	The project object prefix is unknown or the project object could not be found. Ensure you have the project object prefix for the value and the relevant company code for the project object was selected when logging on.
glwError – Auth – Project Object	Authorization is missing for the values of the project function
glwError (No Exclude – Orders)	Order function may not have excludes
glwError – Invalid Order	The order has not been retrieved from SAP by GL Wand. Please check order type and creation date in user settings
glwError (Auth – Order)	The user does not have authorization for this order selection
glwError - (Topic not found, contact Excel4apps if Excel restart does not resolve)	A technical error has occurred. If a restart of Excel does not resolve the issue please contact support@excel4apps.com
glwError (Auth – Fund)	Authorization is missing for the Fund
glwError (Auth – Grant)	Authorization is missing for the Grant
glwError (Auth – Funds Center)	Authorization is missing for the Fund Center
glwError (Auth – Funded Program)	Authorization is missing for the Funded Program
glwError (Cost Center/Group Mandatory)	Cost center/group parameter must be populated for cost center accounting formula.
glwError (Different account types)	The GL accounts used in a single formula are from different account types e.g. expenditures and revenues are mixed
glwError (CCA Scenario Inactive)	The new GL formula has the CCA parameter populated but the CCA scenario is not active for the corresponding ledger in the SAP

	system
glwError (Debit/Credit)	The debit / credit indicator is not recognized. Please use D, C, O, S or *.
glwError (Year, Period, Key Date)	Either Year and Period OR Key Date should be populated on Get Customer or Vendor Balance. Not both
glwError (Period 0 not allowed)	Must specify a period for all Controlling functions
glwError (INC only for Projects and Orders)	Inception Date (INC) is only allowed to be used with Get Project Balance and Get Order Balance
glwError - (Invalid cost center option requires all company codes logon)	The use of the Invalid Cost Center option requires that all company codes are selected at log on
glwError - (Optimize groups option requires all company codes logon)	The use of the Optimize Groups option requires that all company codes are selected at log on
glwError (FICO object number)	An invalid FICO object number has been used. Please correct the FICO object number parameter value
glwError (Cumulative required - Networks)	For Network balance functions, the cumulative parameter must be set
glwError (No cumulative support SAP 4.70 - Network Activities)	For Network Activity balance functions in SAP 4.70 systems, only non-cumulative functions are supported
glwError (CALY use balance sheet OR income statement accounts)	For CALY balance functions, a mixture of balance sheet and income statement accounts is not allowed
glwError (Invalid fiscal year variant)	The fiscal year variant is either a calendar fiscal year variant, or is year dependent or does not have 12 periods. CALY and CALP balance functions are only supported for a 12 period non calendar, non-year dependent fiscal year variant
glwError (Fiscal year variant info)	An error was incurred while retrieving the fiscal year variant information. Contact support for assistance.
glwError (Missing dependent object value)	The consolidation object selected requires a dependent consolidation object and this is missing in the formula
glwError (No table group specified)	The SPL function requires a table group parameter and this is missing
glwError (Currency type not configured for this SPL)	Depending on the SPL configuration in your SAP system per table group, some currency types may not be configured. Try a different currency type
glwError (Auth - G_GLTP)	Authorization missing for specific

	values for this authorization object
glwError (Auth - G_REPO_LOC)	Authorization missing for specific values for this authorization object
glwError (Auth - K_PCAR_REP)	Authorization missing for specific values for this authorization object
glwError (Auth - E_CS_ITCLG)	Authorization missing for specific values for this authorization object
glwError (Auth - E_CS_RPTNG)	Authorization missing for specific values for this authorization object
glwError (No operating concern specified)	Invalid operating concern provided in the get COPA balance function
glwError (Auth - Object = K_KEB_TC, Act = 16)	Authorization missing for specific values for this authorization object
glwError (Auth - Object = K_KEA_ERG, CEERKRS = Operating Concern	Authorization missing for specific values for this authorization object
glwError (Invalid value field)	An invalid value field has been selected for the operating concern in question
glwError (Invalid currency type)	An invalid currency type has been selected for the COPA (CB) function
glwError (Currency Missing)	The SPL currency field needs to have a currency specified in it when getting a document currency type balance
glwError (Currency Field Missing)	The SPL currency field cannot be located. This may be due to it not being a configured field in the SPL table or it may be outside the current 16 field limitation
glwError (Account has no line items)	The account(s) selected does not have line items enabled on the master record therefore a daily balance is not possible
glwError (Date format YYYYMMDD)	Please correct the date format to match YYYYMMDD
glwError (Account required)	The daily balance function requires at least one GL account
glwError (Actuals version = 000)	The version for an Actuals CCA balance must be = “000”
glwError (WBS not found, check cache settings)	The WBS element was not found to populate the drill down layout. Please check if you have project selection date set prior to the creation of this WBS element
glwError (Object number field required)	The object number field is required in the layout that is being used in order to determine the WBS element

6 Release Notes

6.1.1 Release 4.45

Feature	Description	Benefit
Troubleshooting	Zip utility included for emailing trace files	Enhancement
SPL	Missing company code for creating standard FICO object list of values from SPL	Bug Fix
Attachments	Allow document types other than BKPF when retrieving attachments list	Enhancement
Drill Down	Added quantity and unit of measure to CCA document lines layout	Enhancement
Drill Down	Unit of measure conversion run for PCA and CCA line item and document drill downs. Unit of measure conversion for activity type unit	Enhancement
Classic Funds	Added functional area parameter	Enhancement
Descriptions	Added short descriptions attribute for GL accounts	Enhancement
PCA	Added secondary cost element descriptions for PCA drill down	Enhancement
Config Sheet	NCo installed version added	Enhancement
Calculation	Calculation timer option added to user settings. Only required for troubleshooting certain workbooks	Enhancement
Orders	Orders not linked to any company code are now displayed in any chosen company code	Enhancement
Discover	Context menu option added to copy selected FICO objects down and insert 12 periods in adjacent cells	Enhancement

6.1.2 Release 4.40

Feature	Description	Benefit
CCA	Support for quantities (currency type QT) in the Get CCA balance function added	Enhancement
Expand/Discover	An option in user settings has been provided to ignore GL accounts in the discover and expand operations if the accounts have been blocked for posting in SAP at the company code level	Enhancement
Attribute	The posting block attribute of a GL account has been added as an option in the description function	Enhancement
Globalization	Correction for regional settings applicable to Turkey	Bug Fix
ECCS	Distribution channel list of values correction	Bug Fix
License	Enabled Site license capability when managing users	Enhancement
CCA	Validation to ensure CCA version is 000	Enhancement
COPA	Leading zeros prerequisite for COPA product description removed	Enhancement
SNC	Support to redirect the SNC library used by the SAP .NET connector added	Enhancement
Expand	Expanding SPL and Classic Funds functions correction	Bug Fix
Logon	Password field enabled when changing from SSO connection to variable connection	Bug Fix
Drill Down	WBS element field added to projects and the WBS element displayed instead of the object number in the PCA and GL line item drill down layouts	Enhancement

Feature	Description	Benefit
Daily Balance	A new function has been added to enable balances by day or by other parameters e.g. document type	Enhancement
LOV	Creating a LOV now automatically defaults to the selections in the drop down object selectors	Enhancement
Attachments	The ability to download FI document attachments added	Enhancement

6.1.3 Release 4.37

Feature	Description	Benefit
Currency	Currency shift bug for customer, vendor and daily balance function corrected	Bug Fix

6.1.4 Release 4.35

Feature	Description	Benefit
Drill down	Company code and controlling area issue with leading zeros	Bug Fix
Auto split	Auto splitting functionality replacing optimize groups to handle large select statements and improve performance	Enhancement
COPA	Performance improvements	Enhancement
Excel	Excel 2016 compatibility changes made*	Enhancement
Classic Funds	Value type and commitment items parameters added to the classic funds function	Enhancement

*** Note: For Excel 2016 support, Microsoft has provided a workaround to the calculation issue that was introduced with the release of Excel 2016. This workaround for the Microsoft issue requires pre-existing workbooks to be opened, saved, closed and Excel to be restarted for the previous workbooks to be able to be used in Excel 2016.**

6.1.5 Release 4.34.1

Feature	Description	Benefit
SPL	Enable document currency type	Enhancement

6.1.6 Release 4.34

Feature	Description	Benefit
COPA	Plan balance correction	Bug Fix
COPA	Unit of measure parameter no longer used	Bug Fix

6.1.7 Release 4.33

Feature	Description	Benefit
UI	PCA company code button position and create list of values form correction for PCs with certain display settings	Bug Fix

Feature	Description	Benefit
Drill Down	Exception handled when all drill down line items removed due to missing authorizations	Enhancement
Drill Down	Support added to PCA document drill down transaction type BKPFF	Enhancement
COPA	COPA performance improvement	Enhancement
Version	GL Wand version message updated for incompatible server	Enhancement

6.1.8 Release 4.29.2

Feature	Description	Benefit
COPA	Multiple company codes enabled for currency type B0	Enhancement
Expand	Expand account groups correction for secondary cost elements	Bug Fix
PCA	PCA balance function parameters shortened for Excel 2007	Bug Fix
Customer/Vendor	Customer/Vendor discover sort issue resolved	Bug Fix
COPA	Warning added for inserting COPA function in compatibility mode workbook	Enhancement
PCA	Multiple company code for currency type 10 return results issue resolved	Bug Fix
Order Group	Order Group sort description error corrected	Bug Fix
Timeout	Timeout error message updated	Enhancement

6.1.9 Release 4.29

Feature	Description	Benefit
User Options	Prevent multiple trace file deletion warnings	Enhancement
PCA	Multiple company codes with account group correction	Bug Fix
Drill Down	Added entered on/at to PCA line item drill down	Enhancement
Layouts	Undo changes when cancelling	Enhancement
PCA	Company code selection now uses list of values	Enhancement
COPA	Customer list from COPA characteristic instead of a single company code	Enhancement

6.1.10 Release 4.28

Feature	Description	Benefit
User Options	SAP .NET connector idle connection timer settings added	Enhancement
PCA	Added currency shift test for a wild card selection of company codes for currency type 10	Bug Fix
Drill Down	Added quantity field to the CCA and Order line item layouts. Added the entered on and at fields to the GL document header layout	Enhancement

Feature	Description	Benefit
Classic GL	Added support for additional ledgers in order to retrieve third currency	Enhancement
CCA Drill Down	Cost center description bug fix on CCA drill down	Bug Fix
PCA	Origin object added as parameter to PCA function for balance, drill down, LOV and description	Enhancement

6.1.11 Release 4.27

Feature	Description	Benefit
COPA	Costing based COPA function and line item drill down capability added	Enhancement
ECCS	Dependent objects retrieved in get description function	Bug Fix
ECCS	Range of values for description function fix	Bug Fix
Calculation	Timeout of collection of calculations mechanism changed to prevent premature timeout	Bug Fix

6.1.12 Release 4.26

Feature	Description	Benefit
Currency Type	Get balance wizard currency types not displaying correctly	Bug Fix

6.1.13 Release 4.24

Feature	Description	Benefit
Projects	System and user status attributes added	Enhancement
Customer/Vendor	Group currency balance reporting option added to key date balances	Enhancement
SPL	Multiple company code reporting added to SPL	Enhancement

6.1.14 Release 4.19

Feature	Description	Benefit
ECCS	ECCS functionality added	Enhancement
SPL	Special Purpose Ledger functionality added	Enhancement
Globalization	Fix for foreign regional settings	Bug Fix
Drill Down	Unit of measure added to PCA and CCA drill down layouts	Enhancement
CALY	Correction for calendar year I/S account from prior year periods. Corrected validation for CALY cross balance sheet and I/S accounts to check cost elements for CCA, Order, PCA and projects	Bug Fix
Calendar	Support added for year dependent fiscal year variants	Enhancement
Authorization	Performance improvement for wild card for all groups for a controlling area for multiple profiles	Enhancement

Feature	Description	Benefit
Drill Down	Vendor/Customer drill down descriptions missing	Bug Fix
Authorization	Wild card for order type corrected	Bug Fix

6.1.15 Release 4.17

Feature	Description	Benefit
User Settings	Project creation date selection for company code without controlling area	Bug Fix
Layouts	Special GL indicator fields added to customer and vendor line item display. Offsetting account description for orders, projects and activities line item drill down added	Enhancement
Drill Down	Exclude special GL lines for non-key date vendor and customer function line item drill down	Enhancement

6.1.16 Release 4.16

Feature	Description	Benefit
Office Products	Excel sheets embedded in Power Point integration correction	Bug Fix
CCA	Performance improvement for the cost center accounting function	Enhancement
Activity	Correction for dollar value of activities for ranges of cost centers in cost center accounting function	Bug Fix
Authorizations	Authorization retrieval process improvement	Enhancement
Classic FM	Funds center group parameter added to the classic funds management function	Enhancement
Layouts	User name added to GL View for New GL line items.	Enhancement
PCA	Ability to add multiple company codes added	Enhancement
Descriptions	Validation implemented in 4.13 corrected	Bug Fix
Layouts	Customer and vendor descriptions added to PCA line items and GL document lines	Enhancement
Layouts	Offsetting account description added to CCA line items drill down layout	Enhancement
Expand	Bug fix for expand for regional settings not using a decimal point for the decimal symbol	Enhancement
PCA	Quantities currency type added to the PCA function	Enhancement
Attribute	Added the profit center attribute to the cost center get description function	Enhancement

6.1.17 Release 4.13

Feature	Description	Benefit
Exchange Rate	Function added to retrieve exchange rates and related attributes	Enhancement

Feature	Description	Benefit
LOV	Added currency to create list of values	Enhancement
Topic ID	Improved error message for general topic ID error	Enhancement
Add-ins	Interdependent add-ins activate each other when starting Excel	Enhancement
Calculation Refresh	Toolbar temporarily disabled to prevent other actions during calculation process	Enhancement
Calculation Cancel	Timeout message corrected	Bug Fix
SAP .NET Connector	Upgraded SAP Connector (3.0.13)	Enhancement
Invalid Cost Center	Validation added to ensure all company code log on for invalid cost center option	Enhancement
Optimize Groups	Validation added to ensure all company code log on for optimize groups option	Enhancement
Layouts Form	Size and position of form persisted	Enhancement
Get Description	Validation for FICO object number added	Enhancement
Networks	Validation to ensure cumulative used for Network balances	Enhancement
Network Activities	Bug fix on cumulative network activities balance to include activity elements	Enhancement
Projects	Performance improvements	Enhancement
Networks	Expand networks skipping first activity in hierarchy	Bug Fix
Configuration Sheet	Ledger configuration and more items added to Other section	Enhancement
CCA	Combination of cost center group and no cost element specified authorization checking all cost centers corrected	Bug Fix
PCA	Single company code balance crashing on drill down when company not selected at log on	Bug Fix
New GL	Ability to convert Classic GL and PCA functions to the New GL function	Enhancement
Authorization	Authorization audit functionality added. Currently this is beta functionality.	Enhancement
SAP Note	The SAP note 1463159 pre-requisite is no longer required	Enhancement
Segments	Segments not completing caching in 4.70 systems	Enhancement

6.1.18 Release 4.12

Feature	Description	Benefit
Calculation	More regular status updates to balance retrieval process	Enhancement
Classic Funds	Business area parameter added to the Classic Funds function	Enhancement
Expand Hierarchy	Prevention of multiple row selection for expansion	Enhancement
Retain balances	Additional warning issued when setting the retain balances option	Enhancement
Custom New GL	Warning about reduced parameter availability when using the Custom New GL function for a xls file format	Enhancement

6.1.19 Release 4.11

Feature	Description	Benefit
Performance	Performance improvement for validating BCS commitment item groups	Enhancement
Functions	Check for protected sheet prior to inserting functions	Enhancement

6.1.20 Release 4.10

Feature	Description	Benefit
Drill Down	Document, posting date and auxiliary account assignment fields added to CO function drill down layouts. Quantity field formatting corrected in PCA and document line layouts.	Enhancement
Create LOV	CALY, CALP and INC added to create LOV functionality	Enhancement
Performance	Performance improvement for validating classic funds and BCS function	Enhancement

6.1.21 Release 4.09

Feature	Description	Benefit
Drill Down	Text fields in drill layouts output as text to prevent Excel converting numeric data	Bug Fix

6.1.22 Release 4.08

Feature	Description	Benefit
Authorizations	Correction for special characters in the object name in combination with a wild card	Bug Fix
Authorizations	Support for wild card authorizations in profit and cost center groups	Enhancement
Custom New GL	Message preventing the Custom New GL function wizard opening when in Excel compatibility mode	Enhancement
SAP Connector	Upgraded SAP connector (3.0.12)	Enhancement
Groups	Group validation failing with topic id error when company code not selected at logon. Additional check for this scenario added	Enhancement

6.1.23 Release 4.07

Feature	Description	Benefit
Get Balance (new function)	Budget Control System (BCS) function added	Enhancement
Cost Center	Latest description retrieval change made	Bug Fix
FICO objects	Funds center group, commitment item and commitment item group FICO objects added	Enhancement

6.1.24 Release 4.06

Feature	Description	Benefit
Projects	Project reporting changes made to cater for high volume sites	Enhancement.
Get PCA balance	Transaction Type added	Enhancement.
Get SKF balance	Ledger validation added	Enhancement.
SKF	SKF unit of measure conversion applied	Bug Fix.
Drill Down	Ability to add Reports Wand drill function into a GL Wand drill down layout	Enhancement.
Drill Down	Additional fields added to drill down layouts. Reset layout to see new fields	Enhancement.
Get Balance (new functions)	Customer and Vendor Get Balance functions added	Enhancement.
List of Values	Text highlighted in LOV	Enhancement.
Get Balance	Time out of calculations message	Enhancement.
User Settings	Smaller batch sizes allowed	Enhancement.
User Settings	Additional validation added for Order Types not selected	Enhancement.
General	Server side error message	Bug Fix.
Controlling	Validation added to prevent Period = zero for Controlling functions	Bug Fix.
Custom Fields	Added support for leading zeros for custom numeric fields	Enhancement.
Drill Down	Drill down on custom fields automatically switches to GL view with message	Enhancement.
Projects and Order Balances	Inception Date (INC) balance type added	Enhancement.
Configuration Sheet	Spelling of authorizations corrected	Bug Fix.
Get CCA Balance	Partner cost center and Partner cost center group parameters added	Enhancement.
FICO Objects	Customer and Vendor FICO objects added	Enhancement.

6.1.25 Release 3.99

Feature	Description	Benefit
New GL	New GL cost center authorization for all cost centers corrected.	Bug Fix.

6.1.26 Release 3.98

Feature	Description	Benefit
Activity Type Balance	Alpha activity type object number conversion corrected.	Bug Fix.
Order Validation	Order validation for multi company code bug fix.	Bug Fix.

6.1.27 Release 3.97

Feature	Description	Benefit
Cost Element	Display authorization check for individually assigned element type.	Bug Fix.

Feature	Description	Benefit
Excel 2003/2007	Parameters not displaying for the PCA and New GL functions in the Excel 2003 or 2007 function wizard.	Bug Fix.

6.1.28 Release 3.96

Feature	Description	Benefit
Optimize Groups	Optimize Groups correction for cross company code cost center groups.	Bug Fix.
Manage Users	Remove duplicate SAP users in Manage Users form.	Bug Fix.

6.1.29 Release 3.95

Feature	Description	Benefit
Expand Hierarchy	Expand hierarchy bug on created LOV (Excel 2003 only)	Bug Fix.
Manage Users	Bug fix for system with non-unique SAP users	Bug Fix.
About	Correct server version when switching system bug fix	Bug Fix.
Get CCA Balance	Currencies requiring shift for currency type 10 and 70 in CCA formula bug fix	Bug Fix.
PCA Drill Down	Added field ANBWA for PCA line item and document drill layouts	Enhancement.
Orders	Catch error where no Order types selected	Bug Fix.

6.1.30 Release 3.94

Feature	Description	Benefit
Connector	Ability to cancel currently active batches.	Enhancement.
Get Description	FICO object display correction.	Bug Fix.
Trial Message	Expired trial message extended.	Enhancement.
Configuration Sheet	Ability to choose items for inclusion.	Enhancement.
Orders	Check for at least one type selected.	Enhancement.
New GL	CCA authorization change for OSS note 1259746.	Enhancement.
Delimiters	Check to ensure site delimiters are set.	Enhancement.
Grants	Check for Grants existence.	Enhancement.
Financial Statement Sets	Expand one level for financial statement sets corrected.	Bug Fix.
Profit Centers	Future validity dated profit centers cached.	Enhancement.
CCA Drill Down	Purchase order and line item number added to CCA line item drill down.	Enhancement.
Debit/Credit Parameter	The debit/credit parameter has been added to the following get balance functions. Classic GL, New GL, CCA, PCA, Orders, Projects and Funds Management (New GL).	Enhancement.
Hide Zeros	Hide zeros functionality added.	Enhancement.

Feature	Description	Benefit
SKF	SKF for profit center authorization check corrected.	Bug Fix.
SKF	Added Order parameter to SKF function.	Enhancement.
Grants	Range of grants issue corrected.	Bug Fix.

6.1.31 Release 3.93

Feature	Description	Benefit
Public Sector Function	Balance sign issue for certain accounts corrected.	Bug Fix.
Invalid Cost Center	User option added to ignore invalid cost centers.	Enhancement.
Configuration Sheet	Additional information added.	Enhancement.
Calculation	Function inserted with Excel edit function wizard linked to first FICO object not starting a calculation in auto calculation mode fixed.	Bug Fix.
Prerequisite	Excel 2010 SP1 prerequisite warning message made more prominent.	Enhancement.
New GL CCA Scenario	Validation check to ensure the CCA scenario is active when populating the cost center parameter for the new and custom GL functions.	Enhancement.
Grants	Get description attributes Valid From/To, Sponsor and Grant Total added for Grants.	Enhancement.

6.1.32 Release 3.92

Feature	Description	Benefit
Cost Center Accounting	Cost center/group parameter mandatory.	Enhancement.
Calculation	Calculation accumulation timer extended.	Enhancement.

6.1.33 Release 3.91

Feature	Description	Benefit
Authorizations	All Order authorizations denoted with prefix OR corrected.	Bug Fix.
Authorizations	Support added for wild cards used in SAP authorizations.	Enhancement.
Public Sector Function	Classic Fund Management function added for Beta use.	Enhancement.
Public Sector Function	Classic Grant Management function added for Beta use.	Enhancement.
Drill Down	Nested dependent function drill down corrected.	Bug Fix.
CO Functions	Value type and business transaction parameters added to the Project, CCA, Order and Activity Type functions as well as drill down layouts.	Enhancement.
PCA Function	Transaction parameter added to PCA function and drill down layout.	Enhancement.

Feature	Description	Benefit
Drill Down	Value date added to line item drill down layout. Reference key 1, 2 and 3 and value date added to document drill down.	Enhancement.
Sheet Refresh	Multiple sheet selection refresh crash for other refresh types fixed.	Bug Fix.
LOV	LOV interoperability with Oracle product fixed.	Bug Fix.
Localization	Drilling into or showing an LOV created with foreign language regional settings fixed.	Bug Fix.

6.1.34 Release 3.90

Feature	Description	Benefit
Drill Down	Grants drill down parameter missing in public sector funds management function corrected.	Bug Fix.
Drill Down	Funds management function drill down entering edit mode in Excel 2003 causing new workbook error.	Bug Fix.

6.1.35 Release 3.89

Feature	Description	Benefit
Public Sector Function	Get Fund balance function added for the Public Sector New GL.	Enhancement.

6.1.36 Release 3.88

Feature	Description	Benefit
Alternate Account	Duplicate mapped real accounts error corrected.	Bug Fix.
New GL	Check for controlling area added.	Enhancement.

6.1.37 Release 3.86

Feature	Description	Benefit
Authorization	Requirement for cost center value RCNTR authorization removed as per SAP OSS note 1677519.	Bug Fix.
Projects	Orders linked to Project objects included in balance results and drill down.	Enhancement.

6.1.38 Release 3.85

Feature	Description	Benefit
SAP .Net Connector	The Wand products have been upgraded to make use of the latest version of the SAP .Net Connector (v3).	Enhancement.
Refresh	Duplicate formulas are now individually refreshable from the SAP server.	Enhancement.
Sheet Refresh	Multiple sheet refresh crash fixed.	Bug Fix.
GL Accounts	Option to be able to persist GL Account master data locally added.	Enhancement.

6.1.39 Release 3.83

Feature	Description	Benefit
Projects	Network activity authorization test for specified sub object type.	Bug Fix.
Projects	Network activity authorization process change for improved caching performance.	Enhancement.
Orders	Authorization for Order type corrected.	Bug Fix.
Retain Balances	Descriptions cached when retaining balances.	Enhancement.
List of Values	List of values filter corrected when using filter characters.	Bug Fix.

6.1.40 Release 3.82

Feature	Description	Benefit
Projects	Long WBS names being truncated in the List of Values and not resolving for calculation.	Bug Fix.

6.1.41 Release 3.80

Feature	Description	Benefit
Group Optimization	Long running group optimization timeout resolved.	Bug Fix.
Company Code	Range of company codes to last company code error corrected.	Bug Fix.
Attribute Function	Error when Use Chart of Account Descriptions setting on and accessing a GL account attribute corrected.	Bug Fix.
Financial Statement Sets	Lists of financial statement sets not resolving children.	Bug Fix.
Wizard	Currency 00 and QT types disappearing when changing ledger in get balance wizard for the New GL.	Bug Fix.

6.1.42 Release 3.77

Feature	Description	Benefit
Group Optimization	Utilization of group optimization process improved.	Enhancement.
Caching	Re-logging on not re-caching the profit center master data.	Bug Fix.
LOV	Ok button position in created LOV corrected.	Bug Fix.
Currency	Factored currency correction when using currency parameter.	Bug Fix.

6.1.43 Release 3.72

Feature	Description	Benefit
Currency	The currency parameter has been added to the Classic GL, New GL and Custom functions enabling balances per currency in conjunction with currency type 00.	Enhancement.

6.1.44 Release 3.71

Feature	Description	Benefit
Cost Center Cache	Cost centers not caching in ECC5 systems after new attribute functionality added.	Bug Fix.
Activity Types	Duplicate activity types removed for multiple validity dates.	Bug Fix.
Expand	Expand all correction for Excel 2003.	Bug Fix.
Authorizations	Multiple company code New GL ledger authorization for actual values corrected.	Bug Fix.
Drill Down	Drill down date format always set to US format corrected.	Bug Fix.

6.1.45 Release 3.65

Feature	Description	Benefit
Projects	Performance improvements for WBS caching.	Enhancement.
Localization	Caters for English Excel users with non-English regional settings.	Enhancement.

6.1.46 Release 3.64

Feature	Description	Benefit
GL Account Cache	Batching capability added for the GL Account cache for large numbers of company codes	Enhancement.
Add-in	Ribbon add-in automatically activates related add-in on load.	Enhancement.
Authorizations	Authorization performance improvement.	Enhancement.
Authorizations	Authorizations set at the responsibility area in SAP catered for.	Enhancement.
Projects	Creation date added to limit project data retrieved.	Enhancement.
Snapshot	Deactivation of other add-ins in snapshot workbook corrected.	Bug Fix.
Function Linking	Functions are automatically relinked if necessary when opening a workbook to prevent formula prefix issue.	Enhancement.
LOV	List of values Ok button in balance wizard redraw issue resolved.	Bug Fix.
LOV	First item automatically selected.	Enhancement.
Drill Down	Drill down stops working after drill down authorization failure.	Bug Fix.
Custom Function	Removed project tab from custom function.	Bug Fix.

6.1.47 Release 3.60

Feature	Description	Benefit
Get Object Description	An attribute parameter has been added to the function to retrieve master data attributes.	Enhancement.
Project Systems Function (Beta)	A beta version of the get balance function to retrieve balances and drill down for Project systems.	New Function.
Refresh Expand	Ability to re execute a previously expanded hierarchy.	Enhancement.
Manual Calculation	Master data descriptions should not cache data when on GL Wand manual calculation.	Bug Fix.
Greater than 16 periods reporting	Applies only to New GL parallel ledgers that have been configured for a fiscal year variant with more than 16 periods.	Enhancement.
Branding	Product branding updated.	Enhancement.
Discover	Discover functionality corrected for English Excel version with differing regional settings.	Bug Fix.
Next Object, Previous Object, Company Name Functions	Functions activated in Excel 2003.	Bug Fix.

6.1.48 Release 3.53

Feature	Description	Benefit
List of Groups	Correction for child values resolved being cached incorrectly.	Bug fix.
Optimize Group	Correction in optimization process.	Bug fix.
CCA Line Item Drill Down	Correction for all cost element authorization being applied for a range.	Bug fix.
Custom Function	Profit center field correction.	Bug fix.
Group with no values	Group with no child values preventing calculation completion.	Bug fix.
Profit Center Master Data	Duplicate profit center master records with future validity dates.	Bug fix.

6.1.49 Release 3.46

Feature	Description	Benefit
SAP GUI 7.20	Correction for the new SAP GUI 7.20 file location.	Bug fix.
Office language	Correction for Spanish version of Excel.	Bug fix.

6.1.50 Release 3.45

Feature	Description	Benefit
Statistical Values	Option to include statistical values for CO get balance functions included in the balance and drill downs.	Statistical postings included.
Multiple Company Codes per function	Multiple Company Codes may be selected in the Classic GL, New GL and Custom New GL functions.	Easier aggregation of values.
Expand Hierarchy including formulas	Expand Hierarchy functionality now automatically expands formulas as well. A single level or all level expand option is available.	Improved Hierarchy reporting.
Quantity Balances for the New GL	Quantity balances can be retrieved for the New GL and the Custom New GL functions.	Enhancement.
Clipboard option for Show List of Values	Values selected on the Show LOV form can be stored in the Clipboard.	New option.
Activity Type parameter added to the CCA function	The Activity Type parameter on the CCA function allows extraction of dollar balances for activities.	Dollar balances available for activities on cost centers.
Trading Partner parameter added to the PCA function	Balances in the PCA function can be extracted by Trading Partner.	Balances by Trading Partner.
Cost Element caching and Cost Object selection	Performance improvement.	Performance.
Lists, range and multiple Company Code descriptions	The Get Description and Get Company Code functions now return results for lists and ranges of values.	Enhancement.
CCA, Order and Activity line item drill down	The CCA, Order and Activity Type line item drill downs now require the Company Code field for document drill down.	Bug Fix.
Refresh All Workbooks	The refresh calculation buttons are now in a split (drop down) button and a new option has been added to refresh all open workbooks.	Refresh all open workbooks.
GUI 7.20 INI file	The new location for the SAP GUI 7.20 saplogon.ini file has been added.	Available SAP systems for 7.20 GUI located.
Alternate Account for Classic GL	The Alternate Account functionality has been added to the Classic GL function.	Balances by Alternate Account.
Calendar Year Balance Types	CALY for Calendar Year To Date and CALP for Calendar Period To Date Balance types added to all functions.	Calendar Year Reporting.

Feature	Description	Benefit
Excel 2010 SP1 Check	For users on Excel 2010 a warning will be issued when starting Excel where SP1 has not been installed.	Pre-requisite compliance.
Display Cleared Items in GL drill down	Option to display cleared line items in GL drill down.	Display cleared line items.
Calculation Refresh	An intermittent bug fixed where some calculations in rare circumstances returned zero.	Bug Fix.
RDM	The RDM “Reports Distribution Manager” is an Excel 2007 (or later) add-in that works in conjunction with the Excel4apps Wand (SAP) products. It enables the user to define which reports will be executed and with which parameter values. These reports are then automatically distributed to end users by email or by saving in a folder location. The reports can be in PDF format, with original formulae or in a Snapshot format.	Automate month end using this new cost plus module.

6.1.51 Release 3.30

Feature	Description	Benefit
Double Click	Double clicking cell was not entering Edit mode.	Bug Fix.
Profit Center Master Display	Authorization to display profit center master records.	Bug Fix.
Idle Connection Timeout	Reduced the timeout period for idle connections.	Improved connection handling.
Connector License Type	Connector license type corrected after logon.	Bug Fix.
RDM	The Reports Distribution Manager product has been added.	New Product.

6.1.52 Release 3.25

Feature	Description	Benefit
Optimize Groups Site Wide Setting	The Wand Administrator can set the optimization of groups for the site.	Central administration.
Command Line Option for installer	Allows the installation to exclude custom actions.	Flexible install.
Document Drill Down	Correction for ledger identification.	Bug Fix.
PCA Get Balance	Assessment/Distribution record types included.	Bug Fix.
Parallel ledger drill down	Parallel ledger only postings included.	Bug Fix.
Drill Down	Currencies requiring translation on drill down.	Bug Fix.

Feature	Description	Benefit
Layouts	Removed period from GL document lines.	Bug Fix.
Authorizations	Multiple profile check.	Bug Fix.
Show List Of Values	Clipboard button added so value may be pasted or inserted in the clipboard.	Enhancement.
Master Data	Expired cost and profit center masters imported.	Retrospective reporting.
Layouts	Reset All Layouts button added.	Easily reset all layouts.
QTD Balance Type	Leading zero allowed for period.	Enhancement.
Initial License Request	Corrected issue on opening of license request form.	Bug Fix.

6.1.53 Release 3.15

Feature	Description	Benefit
Excel Ribbon	Excel Ribbon provided in Excel 2007 version and greater.	Better integration with Excel 2007 and 2010.
Custom Drill Down Layouts	User can choose from a list of possible fields to display, change the order of the field output, total numeric value fields, subtotal by selected fields and automatically insert the descriptions of the FICO objects.	Customized layout of drill down information.
New Calculation Engine	A new method of processing calculations implemented.	• Improved performance • Prevents Excel from triggering unwanted calculations e.g. when a column or row are deleted or hidden • Does not toggle the Excel calculation mode during the process ensuring that calculations of other workbooks are not triggered unnecessarily.
New Functions	Retrieve balances for CO Orders, Activity Types, Statistical Key Figures, Alternate GL Account and Custom New GL Fields.	Retrieve data for additional functional areas in SAP.
Custom Field Auto Configuration	Custom Field configuration in SAP automatically interrogated.	Enables rapid setup for custom fields in the New GL.
Configuration Sheet	Displays the master data for FICO objects as well as the authorization objects that the user has.	Assists troubleshooting.
Lists of Groups	Get balances for multiple groups in get balance functions.	Balances retrieved for multiple groups.
List of Values Persisted	The list of values selected is persisted when drilling into a list of values enabled cell.	Previous selections not lost.
Drilldown Engine	A new method of populating Excel with drill down results implemented.	Improved drill down performance especially for very large drilldowns with thousands of rows.
Discover Hierarchy Ranges	Allows the user to have the individual child values of a range in a hierarchy displayed as such instead of a range value.	Additional option for user.
New Workbook/Worksheet for Drill Downs	Ability to create a new workbook or add a new worksheet to the current workbook on drill down.	Additional option for user.

Feature	Description	Benefit
Optimize Groups	Option to optimize groups into range selections for consecutive child values where possible.	Improved performance.
FI or CO document drill down	Where an FI document exists for a CO line item the user can drill down to either document.	Flexible document drill down.
Cache on Demand	Master data caching methodology changed to cache on demand.	Shorter logon times.
Multiple Sheet Refresh	Multiple sheets can be selected for refresh with the Refresh Sheet Button.	Only selected sheets refreshed.
Context Sensitive Menu for List Of Values	Right click support for the List of Values form.	Improved ease of use for selecting values.
Quantity Field for PCA Drill Down	Quantities can be displayed for PCA line items.	Drill down information improved.
Representative Materials parameter for PCA function	The Representative Material field is available on the PCA balance function.	Improved PCA function.
Company Code parameter for PCA function	The Company Code field is available on the PCA balance function.	PCA Balances can be limited to a company code.
Trace Capability	Trace Capability for logging purposes.	Assists with troubleshooting.
Line Item Drill Down Insert Columns/Rows	Columns and Rows may be inserted into the line item drill down output while maintaining the ability to drill down to document level.	More robust drill down capability.
Chart of Account Descriptions	Use the chart of account description for GL Accounts that have not been created in SAP for a particular company code.	Additional option for user.
Trading Partner parameter for Custom Function	The Trading Partner field is available on the Custom function.	New GL Balances can be limited by Trading Partner.
Transaction Type parameter for Custom Function	The Transaction Type field is available on the Custom function.	New GL Balances can be limited by Transaction Type.

6.1.54 Release 2.10

Feature	Description	Benefit
Drill Down Type Mismatch	Corrected type mismatch error.	Bug Fix.
Invalid GL Wand Message Removed	Double clicking on a cell while not logged on to GL Wand produced an error message.	Bug Fix.
Date Format Error	Suppress expiry date formatting based on regional settings causing an error.	Bug Fix.

6.1.55 Release 2.05

Feature	Description	Benefit
Compatible with Excel4apps Connector for SAP	The Excel4apps Connector for SAP was built in order to enable the sharing of functionality and information across Excel4apps products. GL Wand has been integrated into this new Connector.	Enables the sharing of functionality and information across products built by Excel4apps for use with SAP.
Return results phase	Corrected long running return results phase showing not responding on form.	Bug Fix.

Feature	Description	Benefit
Shortened numeric object codes	Corrected padded leading zeros on shortened numeric company codes and business areas.	Bug Fix.
Removed 3rd party PDF product	Removed use of 3rd party PDF product and replaced with description of how to add a PDF printer.	Uses standard Excel PDF printing functionality.

6.1.56 Release 1.20

Feature	Description	Benefit
New SAP transaction to test initial connection requirements	A new SAP transaction has been added to test initial connection requirements for trouble shooting purposes.	Assists users in identifying initial setup issues.
SAP Connector deployed to the GAC	The SAP Connector is deployed to the GAC.	Centralizes the use of the SAP Connector across products.

6.1.57 Release 1.15

Feature	Description	Benefit
SAP 4.70 compatible version	Server version compatible with SAP 4.70 made available in a separate transport. Enhanced client to cater for the new server version.	Enables the use of GL Wand for SAP on 4.70 systems.
Composite profiles	Corrected multi-level composite profile and multiple single profile authorization selection.	Bug Fix.
Get balance wizards	Corrected a problem with some of the get balance wizards not closing with the windows close button.	Bug Fix.
Get balance wizards	Added more prior years to the drop down list as well as in the list of values.	Ability to select older data using the wizards.
Calculation count	Corrected calculation count when editing a get balance function.	Bug Fix.
List of Values	Corrected behavior where Excel would remain in cell edit mode when clicking Ok or Cancel on a created List of Values.	Bug Fix.
Get balance function	Added error message when trying to add multiple company codes within one get balance function.	Prevent users trying to insert multiple company codes within one get balance function.
Organizational Objects	Corrected error with company codes and business areas that have leading zeros and shortened company codes.	Bug Fix.
Authorizations	Enhanced performance of cost Center authorization check.	Performance improvement.
Get PCA balance	Added the functional area to the get PCA balance function.	Ability to select classic PCA data by functional area.
Options Form	Corrected spelling error.	Bug Fix.
Error Message	Added detail to list of company code and missing server function messages.	Provide more information to user in order to resolve issue.
Logon	Corrected message server logon.	Bug Fix.