CDD Functions  <7.9>
The following is a list of functions that can be called from within CDD macros. Along with the function name and number of parameters, short descriptions of the function and parameters are also provided.

**areequ**(value1,value2)
Description: Checks if two floating point values are equal.

**calamount**(period,field)
Returns the sum of all values prior to and including the passed in period. It doesn’t matter what number is placed after ACTUAL## or EN##; all ACTUAL/EN values are automatically passed into the routine.

- **period**: Fiscal Period (1-14)
- **field**: Table/Column value (i.e. "GLBA_BUDACT_MSTR.GLA_ACTUAL01", "GLBA_BUDACT_MSTR.GLA_EN01")

**calcbudget**(ledger,vers,field)
An improved version of GetIfasBudgetEx; faster and easier to use.

- **ledger**: Ledger Code
- **vers**: Budget Version
- **field**: Any of the up to 25 budget fields

**calcbudgetonly**(ledger,vers,field)
A special case that does not consider the ACC values. Primarily useful as a diagnostic tool.

- **ledger**: Ledger Code
- **vers**: Budget Version
- **field**: Any of the up to 25 budget fields

**computeamount**(index,amt1,amt2,amt3,amt4,amt5,amt6,amt7,amt8,amt9,amt10,amt11,amt12)
Returns the sum of up to twelve passed in amounts, based on the index.

- **index**: Index Number (1-12)
- **amt1 – amt12**: Up to twelve amount values

**computeamount14**(index,amt1,amt2,amt3,amt4,amt5,amt6,amt7,amt8,amt9,amt10,amt11,amt12,amt13,amt14)
Returns the sum of up to fourteen passed in amounts, based on the index.

- **index**: Index Number (1-14)
- **amt1 – amt14**: Up to fourteen amount values

**dateadddays**(refdt,days)
Returns the resulting Date from adding **days** to **refdt**.

**dateaddweeks**(refdt,weeks)
Returns the resulting Date from adding **weeks** to **refdt**.

**dateaddmonths**(refdt,months)
Returns the resulting Date from adding **months** to **refdt**.

**dateaddyears**(refdt,years)
Returns the resulting Date from adding **years** to **refdt**.

**datecom**(refdt)
Returns the Month Number based on **refdt**.

**dateday**(refdt)
Returns the Day Number based on **refdt**.

**datedaysdiff**(refdt1,refdt2)
Returns the Number of Days between **refdt1** and **refdt2**.

**datecqt**(refdt)
Returns the Quarter Number based on **refdt**.

**datecqtb**(refdt)
Returns the Calendar Quarter Begin Date based on **refdt**.

**datecqte**(refdt)
Returns the Calendar Quarter End Date based on **refdt**.

**datecyb**(refdt)
Returns the Calendar Year Begin Date based on **refdt**.

**datecy**(refdt)
Returns the Year Number based on **refdt**.

**datefmo**(refdt)
Returns the Fiscal Month Number based on **refdt**.

**datemob**(refdt)
Returns the Month Begin Date based on **refdt**.

**datemoe**(refdt)
Returns the Month End Date based on **refdt**.
datemonth(refdt)
Returns the Month Number based on refdt.

datemonthsdiff(refdt1,refdt2)
Returns the Number of Months between refdt1 and refdt2.

datef(t)(refdt)
Returns the Fiscal Year Number based on refdt.

datefqb(refdt)
Returns the Fiscal Quarter Begin Date based on refdt.

datefqt(refdt)
Returns the Fiscal Quarter End Date based on refdt.

datefy(refdt)
Returns the Year Number based on refdt.

datefyb(refdt)
Returns the Fiscal Year Begin Date based on refdt.

datefye(refdt)
Returns the Fiscal Year End Date based on refdt.

dateyear(refdt)
Returns the Fiscal Year Number based on refdt.

dateyearsdiff(refdt1,refdt2)
Returns the Number of Years between refdt1 and refdt2.

getamount(index,amt1,amt2,amt3,amt4,amt5,amt6,amt7,amt8,amt9,amt10,amt11,amt12)
Returns amount from one of the twelve passed in amounts, based on the index.

index: Index Number (1-12)
amt1 – amt12: Up to twelve amount values

getamount14(index,amt1,amt2,amt3,amt4,amt5,amt6,amt7,amt8,amt9,amt10,amt11,amt12,amt13,amt14)
Returns amount from one of the fourteen passed in amounts, based on the index.

index: Index Number (1-14)
amt1 – amt14: Up to fourteen amount values

getbudgetdesc
Calls ifasgetbudgetdesc; same parameters

getcstr(ledger,vers)
Returns a string representing the fully expanded budget calculation formula.

ledger: Ledger Code
vers: Budget Version

gethrcode(codeid,codeval,desc)
Same as gethencode, but with a NULL entity value.

gethrencode(entity,codeid,codeval,desc)
Returns description of code values defined in Human Resources code tables.

entity: NULL or valid; determines if hr_hrcode is used vs. hr_hrencode
codeid: Code ID
codeval: Code Value
desc: S, L (Short & Long Descriptions)

getifasbudget(ledger,vers,bud01,bud02,bud03,bud04,bud05,bud06,bud07,bud08,bud09,bud10)
This is the same as getifasbudgetex, except that the budget amounts are not passed in by string (i.e. with quotes), but rather, actual table.column names are used, or actual numeric values.

ledger: Ledger Code
vers: Budget Version
bud01 – 10: Up to ten budget amounts

getifasbudget25
Same as getifasbudget, but with support for up to 25 budget versions.

getifasbudgetex(ledger,vers,bud01,bud02,bud03,bud04,bud05,bud06,bud07,bud08,bud09,bud10)
Returns the value of the IFAS calculated budget value as referenced by the version.

ledger: Ledger Code
vers: Budget Version
bud01 – 10: Up to ten budget amount string names (i.e. "GLBA_BUDACT_MSTR.GLB_BUDGET01")

getifasbudgetex25
Same as getifasbudgetex, but with support for up to 25 budget versions.

getkeypart
Calls ifasgetkeypart; same parameters
getobjpart
Calls ifasgetobjpart; same parameters

getperiodamt(period,field)
Returns a specific ACTUAL or EN value based on the passed in period. It doesn't matter what number is placed after ACTUAL## or EN##; all ACTUAL/EN values are automatically passed into the routine.

<table>
<thead>
<tr>
<th>period</th>
<th>Fiscal Period (1-14)</th>
</tr>
</thead>
<tbody>
<tr>
<td>field</td>
<td>Table/Column value (i.e. &quot;GLBA_BUDACT_MSTR.GLA_ACTUAL01&quot;, &quot;GLBA_BUDACT_MSTR.GLA_EN01&quot;)</td>
</tr>
</tbody>
</table>

getbvstr(ledger,vers)
Returns a string representing the budget version requested.

<table>
<thead>
<tr>
<th>ledger</th>
<th>Ledger Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>vers</td>
<td>Budget Version</td>
</tr>
</tbody>
</table>

ifascommoncode(cate,value,desc)
Calls IfasCommonCodeGR with a null ledger value.

ifascommoncodegr(ledger,cate,value,desc)
Returns Common Code information.

<table>
<thead>
<tr>
<th>ledger</th>
<th>Ledger Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>cate</td>
<td>Code Category</td>
</tr>
<tr>
<td>value</td>
<td>Code Value</td>
</tr>
<tr>
<td>desc</td>
<td>Code Property</td>
</tr>
<tr>
<td>S: Short Description</td>
<td></td>
</tr>
<tr>
<td>M: Medium Description</td>
<td></td>
</tr>
<tr>
<td>L: Long Description</td>
<td></td>
</tr>
<tr>
<td>C# (1-5): Associated Codes</td>
<td></td>
</tr>
<tr>
<td>D# (1-5): Associated Descriptions</td>
<td></td>
</tr>
<tr>
<td>V# (1-5): Associated Values</td>
<td></td>
</tr>
</tbody>
</table>

ifasgetbudgetdesc(ledger,vers,desc)
Returns the Budget Version description.

<table>
<thead>
<tr>
<th>ledger</th>
<th>Ledger Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>vers</td>
<td>Budget Version</td>
</tr>
<tr>
<td>desc</td>
<td>S, M, L (defaults to &quot;L&quot;)</td>
</tr>
</tbody>
</table>

ifasgetglgen(type,desc,ledger)
Returns descriptions of various ledger components.

<table>
<thead>
<tr>
<th>type</th>
<th>OBJ, KEY, FISCAL MONTH, FISCAL FLAG (defaults to &quot;FISCAL FLAG&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>desc</td>
<td>S, M, L (defaults to &quot;L&quot;)</td>
</tr>
<tr>
<td>ledger</td>
<td>GL, JL</td>
</tr>
</tbody>
</table>

isdbnull(item)
Returns zero if report item is a null value.

| item         | Report item (Datarow, Field, Column) |

netsightdrill(path,name,uniquekey)
Opens Internet Explorer window with image

<table>
<thead>
<tr>
<th>path</th>
<th>URL path</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>bt20 name</td>
</tr>
<tr>
<td>uniquekey</td>
<td>Unique Key</td>
</tr>
</tbody>
</table>

setbudgets(ledger,bud01,bud02,bud03,bud04,bud05,bud06,bud07,bud08,bud09,bud10)
Sets the value in the ten budget fields according to the IFAS calculated budget rules.

<table>
<thead>
<tr>
<th>ledger</th>
<th>Ledger Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>bud01 – 10</td>
<td>Up to ten budget amounts</td>
</tr>
</tbody>
</table>

setbudgets25
Same as setbudgets, but with support for up to 25 budget versions.