

# Budget Entry

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## SEI Templates Functional Specification

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## 1 Revision history

Date	Who	Description
2013/07/17	Johann Salas	Document creation
2013/07/09	Edgardo Mejia	Document Update

## 2 Business need

The Budget Entry process provides with useful fields to manipulate data around the budget entry transactions. Statistics such as the Budget contains the amounts of each department per period and fiscal year, more information can be extracted from the Sage ERP X3 databases using this process.

## 3 Constraints & restrictions

- This process is only compatible with Sage ERP X3 V6 and V7.
- Views associated to the process must be created prior installation.
- New prompts associated to the process must be created prior installation.

## 4 Technical specification

### 4.1 Involved tables/views

Element	Alias	Type
BUD_TABLE	BUD_TABLE	Fact table
GACCOUNT	GACCOUNT	Table
FACILITY	FACILITY	Table
COMPANY	COMPANY	Table
BUD_ACTUAL_LY_VIEW	BUD_ACTUAL_LY_VIEW	View
BUD_ACTUAL_VIEW	BUD_ACTUAL_VIEW	View
AEXTRA	AEXTRA	Table
AEXTRA	AEXTRA_1	Table
AEXTRA	AEXTRA_2	Table
AEXTRA	AEXTRA_3	Table
AEXTRA	AEXTRA_4	Table
AEXTRA	AEXTRA_5	Table
AEXTRA	AEXTRA_6	Table
AEXTRA	AEXTRA_7	Table
AEXTRA	AEXTRA_8	Table
AEXTRA	AEXTRA_9	Table
AEXTRA	AEXTRA_10	Table
AEXTRA	AEXTRA_11	Table
AEXTRA	AEXTRA_12	Table

### 4.2 Joins between tables

From Table Name	From Table Alias	Type of Join	Linked Table	Linked Alias	Join
BUD_TABLE	BUD_TABLE	Left	GACCOUNT	GACCOUNT	BUD_TABLE.COA_0 = GACCOUNT.COA_0
BUD_TABLE	BUD_TABLE	Left	FACILITY	FACILITY	BUD_TABLE.ACC_0 = FACILITY.ACC_0
BUD_TABLE	BUD_TABLE	Left	COMPANY	COMPANY	BUD_TABLE.FCY_0 = COMPANY.FCY_0
BUD_TABLE	BUD_TABLE	Left	BUD_ACTUAL_LY_VIEW	BUD_ACTUAL_LY_VIEW	BUD_TABLE.CPY_0 = BUD_ACTUAL_LY_VIEW.CPY_0
BUD_TABLE	BUD_TABLE	Left	BUD_ACTUAL_VIEW	BUD_ACTUAL_VIEW	BUD_TABLE.BUD_0 = BUD_ACTUAL_VIEW.BUD_0
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA	BUD_TABLE.FIY_0 = AEXTRA.FIY_0
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_1	BUD_TABLE.PER_0 = AEXTRA_1.PER_0
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_2	BUD_TABLE.ACC_0 = AEXTRA_2.ACC_0
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_3	BUD_TABLE.CCE_0 = AEXTRA_3.CCE_0
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_4	BUD_TABLE.CCE_1 = AEXTRA_4.CCE_1
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_5	BUD_TABLE.CCE_2 = AEXTRA_5.CCE_2
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_6	BUD_TABLE.CCE_3 = AEXTRA_6.CCE_3
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_7	BUD_TABLE.CCE_4 = AEXTRA_7.CCE_4
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_8	BUD_TABLE.CCE_5 = AEXTRA_8.CCE_5
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_9	BUD_TABLE.CCE_6 = AEXTRA_9.CCE_6
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_10	BUD_TABLE.CCE_7 = AEXTRA_10.CCE_7
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_11	BUD_TABLE.CCE_8 = AEXTRA_11.CCE_8
BUD_TABLE	BUD_TABLE	Left	AEXTRA	AEXTRA_12	BUD_TABLE.CPY_0 = AEXTRA_12.CPY_0

### 4.3 Specific Joins

Linked Alias	Linked Field	Operator	Specific Value
AEXTRA	CODFIC_0	Equal	'CACCE'
AEXTRA	ZONE_0	Equal	'DESTRA'
AEXTRA	LANGUE_0	Equal	@CurrentLang;
AEXTRA_1	CODFIC_0	Equal	'CACCE'
AEXTRA_1	ZONE_0	Equal	'DESTRA'
AEXTRA_1	LANGUE_0	Equal	@CurrentLang;
AEXTRA_2	CODFIC_0	Equal	'CACCE'
AEXTRA_2	ZONE_0	Equal	'DESTRA'
AEXTRA_2	LANGUE_0	Equal	@CurrentLang;
AEXTRA_3	CODFIC_0	Equal	'CACCE'
AEXTRA_3	ZONE_0	Equal	'DESTRA'
AEXTRA_3	LANGUE_0	Equal	@CurrentLang;
AEXTRA_4	CODFIC_0	Equal	'CACCE'
AEXTRA_4	ZONE_0	Equal	'DESTRA'
AEXTRA_4	LANGUE_0	Equal	@CurrentLang;
AEXTRA_5	CODFIC_0	Equal	'CACCE'
AEXTRA_5	ZONE_0	Equal	'DESTRA'
AEXTRA_5	LANGUE_0	Equal	@CurrentLang;
AEXTRA_6	CODFIC_0	Equal	'CACCE'
AEXTRA_6	ZONE_0	Equal	'DESTRA'
AEXTRA_6	LANGUE_0	Equal	@CurrentLang;
AEXTRA_7	CODFIC_0	Equal	'CACCE'
AEXTRA_7	ZONE_0	Equal	'DESTRA'

AEXTRA_7	LANGUE_0	Equal	@CurrentLang;
AEXTRA_8	CODFIC_0	Equal	'CACCE'
AEXTRA_8	ZONE_0	Equal	'DESTRA'
AEXTRA_8	LANGUE_0	Equal	@CurrentLang;
AEXTRA_9	CODFIC_0	Equal	'GLED'
AEXTRA_9	ZONE_0	Equal	'DESTRA'
AEXTRA_9	LANGUE_0	Equal	@CurrentLang;
AEXTRA_10	CODFIC_0	Equal	'GCOA'
AEXTRA_10	ZONE_0	Equal	'DESTRA'
AEXTRA_10	LANGUE_0	Equal	@CurrentLang;
AEXTRA_11	CODFIC_0	Equal	'GACCOUNT'
AEXTRA_11	ZONE_0	Equal	'DESTRA'
AEXTRA_11	LANGUE_0	Equal	@CurrentLang;
AEXTRA_12	CODFIC_0	Equal	'BUDPAR'
AEXTRA_12	ZONE_0	Equal	'DESTRA'
AEXTRA_12	LANGUE_0	Equal	@CurrentLang;

#### 4.4 Fields

Table	Alias	Field	Description	Type	Prompt
BUD_TABLE	BUD_TABLE	FIY_0	Fiscal Year	0	Yes
BUD_TABLE	BUD_TABLE	PER_0	Fiscal Period	0	Yes
BUD_TABLE	BUD_TABLE	LED_0	Ledger Code	0	Yes
AEXTRA	AEXTRA_9	TEXT_0	Ledger Description	Description	No
BUD_TABLE	BUD_TABLE	LEDTYP_0	Ledger Type	0	Yes
BUD_TABLE	BUD_TABLE	COA_0	Chart of Acct. Code	0	Yes
AEXTRA	AEXTRA_10	TEXT_0	Chart of Acct. Description	Description	No
BUD_TABLE	BUD_TABLE	BUD_0	Budget Code	0	Yes
AEXTRA	AEXTRA_12	TEXT_0	Budget Description	Description	No
BUD_TABLE	BUD_TABLE	VER_0	Budget Version	0	Yes
BUD_TABLE	BUD_TABLE	CPY_0	Company Code	0	Yes
COMPANY	COMPANY	CPYNAM_0	Company Description	Description	No
BUD_TABLE	BUD_TABLE	FCY_0	Site Code	0	Yes
FACILITY	FACILITY	FCYNAM_0	Site Description	Description	No
BUD_TABLE	BUD_TABLE	ACC_0	Account Code	0	Yes
AEXTRA	AEXTRA_11	TEXT_0	Account Description	Description	No
BUD_TABLE	BUD_TABLE	CCE_0	Analytical Dim 1	0	Yes
AEXTRA	AEXTRA	TEXT_0	Analytical Dim 1 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_1	Analytical Dim 2	0	Yes
AEXTRA	AEXTRA_1	TEXT_0	Analytical Dim 2 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_2	Analytical Dim 3	0	Yes
AEXTRA	AEXTRA_2	TEXT_0	Analytical Dim 3 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_3	Analytical Dim 4	Dimension	Yes
AEXTRA	AEXTRA_3	TEXT_0	Analytical Dim 4 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_4	Analytical Dim 5	Dimension	Yes
AEXTRA	AEXTRA_4	TEXT_0	Analytical Dim 5 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_5	Analytical Dim 6	Dimension	Yes
AEXTRA	AEXTRA_5	TEXT_0	Analytical Dim 6 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_6	Analytical Dim 7	Dimension	Yes
AEXTRA	AEXTRA_6	TEXT_0	Analytical Dim 7 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_7	Analytical Dim 8	Dimension	Yes
AEXTRA	AEXTRA_7	TEXT_0	Analytical Dim 8 Desc.	Description	No
BUD_TABLE	BUD_TABLE	CCE_8	Analytical Dim 9	Dimension	Yes
AEXTRA	AEXTRA_8	TEXT_0	Analytical Dim 9 Desc.	Description	No
BUD_TABLE	BUD_TABLE	BUDAMT_0	Budget Amount	Measure	No

BUD_ACTUAL_LY_VIEW	BUD_ACTUAL_LY_VIEW	AMTCUR_0	Actual LY Amt Transaction	Measure	No
BUD_ACTUAL_LY_VIEW	BUD_ACTUAL_LY_VIEW	AMTLED_0	Actual LY Amount Ledger	Measure	No
BUD_ACTUAL_LY_VIEW	BUD_ACTUAL_LY_VIEW	AMTGLOB_0	Actual LY Amt Global	Measure	No
BUD_ACTUAL_VIEW	BUD_ACTUAL_VIEW	AMTCUR_0	Actual Amt Transaction	Measure	No
BUD_ACTUAL_VIEW	BUD_ACTUAL_VIEW	AMTGLOB_0	Actual Amt Global	Measure	No
BUD_ACTUAL_VIEW	BUD_ACTUAL_VIEW	AMTLED_0	Actual Amt Ledger	Measure	No
*SERVER	*SERVER	FLD0000001	% Realized	Measure Calculated	No
BUD_TABLE	BUD_TABLE	MODFLG	MODFLG	Measure	No

#### 4.5 Calculated fields

Field	Description	Type	Prompt	Expression
FLD0000001	% Realized	Measure Calculated	No	CASE WHEN (BUD_TABLE.BUDAMT_0 <> 0) THEN (BUD_ACTUAL_VIEW.AMTLED_0 / BUD_TABLE.BUDAMT_0) ELSE 0 END

#### 4.6 SQL Views

List of required views for this process:

- BUD\_ACTUAL\_LY\_VIEW
- BUD\_ACTUAL\_VIEW

For detailed information about the views, please refer to the provided installation script

#### 4.7 Prompts

List of required prompts for this process:

Name
Fiscal Year
Fiscal Period
Ledger
Ledger Type
Chart Of Account
Budget
Budget Version
Company
Facility (Site)
GL Account
Financial Statistical Group 1
Financial Statistical Group 3
Financial Statistical Group 3
Financial Statistical Group 4
Financial Statistical Group 5
Financial Statistical Group 6
Financial Statistical Group 7
Financial Statistical Group 8
Financial Statistical Group 9

#### 4.8 Recommended Links

Budget Entry can be linked to the following processes:

- GL Transaction Details with the field: ACC\_0

#### **4.9 Notes:**

Quantity fields in this process must be handled with caution. They have been summed up in order to appear in grouped lines; however, the values will only be significant if the sums are done on the same units.

When working with data in a multi-company and/or multi-currency data environment, some fine tuning is necessary. The fields containing prices and other numbers that are related to a particular currency are gathered as they are entered at the transaction level. Adjustments may be needed to compare different currencies, such as applying rates to bring all data to the same currency.