



Usage and Considerations of EVDRE

SAP Business Planning and Consolidation 7.0M

Product Version	Business Planning and Consolidation 7.0M
Document Version	3.2
Author	BPC 7.xM Development Team
Last Revision Date	03/26/2009
Created Date	5/16/2008


	Usage and Considerations of EvDRE		
	Business Planning and Consolidation 7.0M		
	History		
	Version	Date	Status (Comments)
	1.0	5/16/08	Create the first Draft
	2.0	7/18/08	Release for BPC 7.0M
	3.0	10/7/08	Completed edits
	3.1	3/26/09	Warning about using EvSUB in the ExpandRange parameter
	3.2	4/2/09	Removing the limitation for FormatRange in MutiKeyRange

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1 Summary

The SAP Business Planning and Consolidation (BPC) EvDRE function is used to create ad-hoc templates and input schedules for analyzing and sending data. EvDRE is flexible and makes it easy to create templates and apply various formats. This document describes several EvDRE reports and input schedules that we converted from dynamic templates, so that you can understand and create your own reports and input schedules.

This document includes the following:

- Glossary
- Examples of basic EvDRE reports
- Usage Tips
- Design Considerations (Requirements)

2 Glossary

Terminology	Definition
Year To Date	A measure used to report accumulated data for a statement account, for example, an income statement.
Formatted Range	A range used to apply a specific format to cells. EvDRE supports options, Before and AfterRange, formatted memberset, advanced formatting, and so on. The range applied to the format is a Formatted Range.
KeyRange	This parameter points to a range of cells that contains the definitions of the key ranges. The key range controls the content of the individual cells of data.
ExpandRange	This optional parameter contains the definitions of the expansions that are performed by the EvDRE function.
Insert	Set this parameter to Y (Yes) for any row expansion to perform a run-time insertion of a suppressed row.
Static Column or Row	Columns or rows that do not expand. All valid keys for the columns and rows must be predefined in the appropriate key ranges.

3 Basic EVDRE Templates

This section contains sample EvDRE reports and input schedules designed using the dynamic templates in Apshell. Use the provided links to download the corresponding templates.

3.1 Comparative Report

The Comparative report compares two categories (for example, Actual vs. Budget) for a specific period and YTD. You can use the Comparative template for variance reporting or you can use it to build a new budget. You can use any dimension in the rows, and Category and Time Period dimensions in the columns. This sample lists members two levels below the current account member.

- Settings of Memberset, KeyRange
 - Row memberset: ACCOUNT dimension with LDEP(2),SELF
 - Static column memberset: CATEGORY dimension with ACTUAL, BUDGET
 - MEASURES dimension with PERIODIC|YTD

The ColKeyRange appears next to the row title. This ColKeyRange compares current periodic data with YTD data. You can use a static ColKeyRange in all columns, so that the row is a dynamic expansion of the current view member, Account dimension.

[Download the "Comparative Report by EvDRE.xls"](#)



Comparative Report
United States
Current Period and YTD Comparative

PERIODIC		BETTER/(Worse)		Code	ACCOUNT	Year to Date		BETTER/(Worse)	
2006 TOTAL	2006 TOTAL	\$	%			2006 TOTAL	2006 TOTAL	\$	%
Actual from GL	Current Budget					Actual from GL	Current		
980,486,614	0			PRETAXINCOME	Pretax Income	1,882,704,413	0		
1,013,929,073	0			OPERATINGINCOME	Operating Income	2,047,776,711	0		
33,462,259	0			OTHEREXP	Other Exp	65,072,292	0		
138,461,013	0			TAXES	Taxes	269,257,834	0		
842,005,602	0			NetIncome	Net Income	1,713,446,685	0		

3.2 Trend Report

- In the Trend template, you can use any dimension in the rows. The Time Period dimension is in the columns. You can check if a Period member's data has increased or decreased by using 'DEP' in the column MemberSet and using 'LDEP(2)' in the row MemberSet, (displaying 2 levels of members).
- Settings of Memberset, KeyRange and options
 - Row Memberset: LDEP(2),SELF,PARENTAFTER
 - Column Memberset: DEP,SELF

[Download the "Trend Report by EvDRE.xls"](#)



Trend Report Consolidated Worldwide Functions Actual from GL - Trend

Code	ACCOUNT	2006 APR	2006 MAY	2006 JUN	2006 Q2
OTHEREXP	Other Exp	6,780,865	6,882,578	6,985,817	20,649,260
OPERATINGINCOME	Operating Income	254,519,305	260,765,815	247,539,722	762,824,842
PRETAXINCOME	Pretax Income	247,738,440	253,883,237	240,553,905	742,175,582
TAXES	Taxes	28,051,354	28,472,124	28,899,206	85,422,684
NetIncome	Net Income	219,687,086	225,411,113	211,654,699	656,752,898

3.3 Consolidating Report

The Consolidating template shows the parent member data that makes up the children's data. The columns contain the Entity dimension, and you can place any dimension on the rows.

- Settings of Memberset, KeyRange and options
 - Row Memberset: LDEP(2),SELF,PARENTAFTER
 - Column Memberset: DEP,SELF

[Download the "Consolidating Report by EvDRE.xls"](#)



Consolidating Report Consolidated Worldwide Functions Actual from GL - Trend

Code	ACCOUNT	Sales	R&D	Manufacturing	Corporate Centers	Worldwide Functions elimination	Consolidated Worldwide Functions
OTHEREXP	Other Exp	20,636,411.97			12,847.67		20,649,259.64
OPERATINGINCOME	Operating Income	762,639,837		48,602	136,403		762,824,842
PRETAXINCOME	Pretax Income	742,003,425		48,602	123,556		742,175,582
TAXES	Taxes	85,422,683.87					85,422,683.87
NetIncome	Net Income	656,580,741		48,602	123,556		656,752,898

3.4 Graph Comparison Report

The Graph Comparison template is a bar chart that compares two categories in two time periods. You can drill down on non-base level members. When you use a static ColKeyRange, the two time periods do not change and only row members can be changed.

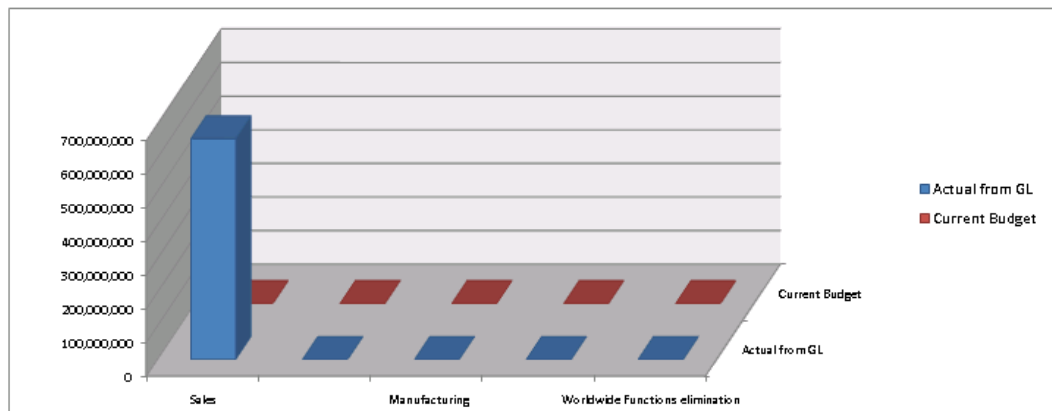
- Settings of Memberset, KeyRange and options
 - Row Memberset: DEP,SELF
 - Column Memberset: ACTUAL,BUDGET

[Download the "Graph Comparison Report by EvDRE.xls"](#)



Graph Comparison Report
Consolidated Worldwide Functions
Actual from GL - Trend

Code	ENTITY	Actual from	Current Budget	Variance
SALES	Sales	656,580,741	0	656,580,741
RD	R&D	0	0	0
MANUFACTURING	Manufacturing	48,602	0	48,602
CORPCENTERS	Corporate Centers	123,556	0	123,556
EWORLDWIDE1	Worldwide Functions elimination	0	0	0
Worldwide1	Consolidated Worldwide Functions	656,752,898	0	656,752,898



3.5 FX Verification Report

The FX Verification template allows you to verify the results of currency translations and check rates in the Rate application. This may not work for all applications.

- Settings of Memberset, KeyRange and options
 - Row Memberset: LDEP(2),SELF,PARENTAFTER
 - Column Memberset: REPORTING='Y',LC

[Download the "FX Verification Report by EvDRE.xls"](#)



FX Verification Report Consolidated Worldwide Functions Actual from GL - Trend

Code	ACCOUNT	US Dollar	EURO	Local Currency
OTHEREXP	Other Exp	20,649,260	22,714,183	33,462,259
OPERATINGINCOME	Operating Income	762,824,842	839,107,242	1,013,929,073
PRETAXINCOME	Pretax Income	742,175,582	816,393,058	980,466,814
TAXES	Taxes	85,422,684	93,964,943	138,461,013
NetIncome	Net Income	656,752,898	722,428,116	842,005,802

3.6 Three Category Comparison Report

In the 3 Category Comparison template, you can use any dimension in the rows, and three Categories or Time Periods in the columns. You can check for an increase or decrease when you compare current data to previous data. Using a dynamic row with Entity, you can change the report by changing the current view.

- Settings of Memberset, KeyRange and options
 - Row Memberset: DEP,SELF
 - Static column Memberset: Time dimension with self, MEASURES dimension with PERIODIC|YTD, CATEGORY dimension ACTUAL,BUDGET
 - Formula to report the previous period:
=IF(EvTIM(EvAPP(),M9,-1)="#ERR", "Invalid time member",EvTIM(EvAPP(),M9,-1))

[Download the "3 Categories Comparison Report by EvDRE.xls"](#)



3 Categories Comparison Report Consolidated Worldwide Functions Current Period and YTD Comparative

Current Month			Code	ENTITY	Year to Date		
2006 Q2	2006 Q2	2006 Q1			2006 Q2	2006 Q2	2006 Q1
Actual from GL	Current Budget	Actual from GL			Actual from GL	Current Budget	Actual from GL
656,580,741	0	680,580,436	SALES	Sales	1,337,161,177	0	680,580,436
0	0	0	RD	R&D	0	0	0
48,602	0	49,239	MANUFACTURING	Manufacturing	97,840	0	49,239
123,556	0	122,529	CORPCENTERS	Corporate Centers	246,084	0	122,529
0	0	0	EWORLDWIDE1	Worldwide Functions elimination	0	0	0
656,752,898	0	680,752,204	Worldwide1	Consolidated Worldwide Functions	1,337,505,102	0	680,752,204

3.7 Year over Year Report

The Year over Year template is used for year-to-year comparisons.

- Settings of Memberset, KeyRange and options
 - Row Memberset: LDEP(2),SELF
 - Static column Memberset: Time dimension with SELF, CATEGORY dimension with SELF
 - Formula to report the previous period:
=IF(EvTIM(EvAPP()),\$P9,-1)="#err", \$P9,EvTIM(EvAPP()),\$P9,-1))
 - Formula to report category members for comparison:
=EvPRO(\$I\$2,\$P\$8,"comparison")

[Download the "Year Over Year Report by EvDRE.xls"](#)



Year Over Year Report

Consolidated Worldwide Functions

Actual from GL - Trend

Code	ACCOUNT	Actual from GL	Actual from GL	Actual from GL	Current Budget	New Budget
		2005 Q4	2006 Q1	2006 Q2	2006 Q2	2006 Q2
PRETAXINCOME	Pretax Income		761,446,337	742,175,582		
OPERATINGINCOME	Operating Income		780,952,562	762,824,842		
OTHEREXP	Other Exp		19,506,225	20,649,260		
TAXES	Taxes		80,694,133	85,422,684		
NetIncome	Net Income		680,752,204	656,752,898		

3.8 Nested Report

You can create a nested expansion by using one or more row or column expansions. We recommend that you add no more than 7 dimensions for a nested expansion. In this sample, 'Formatted memberset' is used as a memberset property. The sample below shows an example of setting entity and category dimensions as a nested row expansion.

- Settings of Memberset, KeyRange and options
 - Row memberset: ENTITY dimension with DEP,SELF, CATEGORY dimension with formatted memberset.
 - Column memberset: DEP,SELF

[Download the "Nested Report by EvDRE.xls"](#)



Entity-Category By Time Report
 Consolidated Worldwide Regions
 2006 TOTAL - Actual from GL

		2006 Q1	2006 Q2	2006 Q3	2006 Q4	2006 TOTAL
United States	Actual from GL	4,344,291	4,361,778	4,439,613	4,505,536	17,651,219
United States	Current Budget					
United States	Current Forecast					
Europe	Actual from GL	745,141,489	718,672,902	739,352,218	740,475,566	2,943,642,175
Europe	Current Budget					
Europe	Current Forecast					
Asia	Actual from GL	121,832,474	118,847,566	131,978,638	129,715,674	502,374,352
Asia	Current Budget					
Asia	Current Forecast					
Other Regions	Actual from GL	122,529	123,556	124,240	123,063	493,387
Other Regions	Current Budget					
Other Regions	Current Forecast					
Worldwide Functions elimination	Actual from GL					
Worldwide Functions elimination	Current Budget					
Worldwide Functions elimination	Current Forecast					
Consolidated Worldwide Regions	Actual from GL	871,440,783	842,005,802	875,894,709	874,819,839	3,464,161,132
Consolidated Worldwide Regions	Current Budget					
Consolidated Worldwide Regions	Current Forecast					

3.9 Spread across worksheet

When you create a report or input schedule with a dimension in 'Spread across worksheet' and 'DEP' or 'ALL' in the memberset field, the selected dimension's child is spread across the workbook. The generated sheets are named after the member that is expanded in the sheet.

The sample below shows the Entity dimension being 'Spread across sheet' If you add a format or a formula to the first sheet and then to other sheets, the format or the formula is applied to the other sheets. Entity members in the current view are hard-coded in the PageKey. You can enter the member name to change the Entity member.

- Settings of Memberset, KeyRange and options
 - Row memberset: ALL
 - Column memberset: DEP
 - Sheet memberset: ENTITY dimension with DEP
 - Hlevel is used to set into the advanced format.

[Download the "Spread Across worksheet by EvDRE.xls"](#)



ENTITY- Spread across sheet
United States

	2006 Q1	2006 Q2	2006 Q3	2006 Q4
Pretax Income	4,970,392	5,024,566	5,101,099	5,218,923
Operating Income	5,121,646	5,184,683	5,260,901	5,391,264
Gross Margin	7,371,704	7,565,574	7,637,114	7,953,920
Total Revenue	9,385,177	9,694,563	9,761,919	10,245,442
External Sales	8,884,296	9,164,333	9,232,731	9,674,732
Inter-company sales	500,881	530,230	529,188	570,710
Cost of Goods Sold	2,013,472	2,128,989	2,124,805	2,291,522
3rd Party Product				
Raw Materials	775,747	821,203	819,589	883,896
Direct Labor	883,931	935,726	933,887	1,007,162
Overhead Costs	253,619	266,015	265,492	286,323
Inter-company Cost of Sales	100,176	106,046	105,838	114,142
Total Operating Expense	2,250,059	2,380,892	2,376,213	2,562,656
Sales & Marketing Expense	250,440	265,115	264,594	285,355
General & Administrative Expense	175,308	185,581	185,216	199,748
Total Dept Expense	1,473,693	1,559,035	1,555,971	1,678,056
Total Personnel Exp	868,680	918,569	916,764	988,696
Salaries	662,948	701,794	700,415	755,371
Salaries - Category 1	441,965	467,863	466,944	503,581
Salaries - Category 2	220,983	233,931	233,472	251,790
Fringe Benefit	155,643	163,752	163,430	176,253
Commission	50,088	53,023	52,919	57,071
Travel & Ent Exp - Category 1	100,176	106,046	105,838	114,142
Travel & Ent Exp - Category 2	125,220	132,558	132,297	142,677
Travel & Ent Exp	172,804	182,929	182,570	196,895
Subcontractors Exp.	112,698	119,302	119,067	128,410
Supplies Exp.	94,115	99,630	99,435	107,236
Inter-company out of balance				
Total Non-departmental Expense	350,617	371,161	370,432	399,497
Depreciation	100,176	106,046	105,838	114,142
Amortization	250,440	265,115	264,594	285,355
Dividend Expense				
Other Exp	151,253	160,116	159,802	172,340
Taxes	626,101	662,788	661,486	713,387
▶ \US \EUROPE \ASIA \OTHERREGIONS \EWORLDWIDE2 \Sheet2 \Sheet3 /				

3.10 Cash Flow Report (Custom report)

This sample uses two EvDREs. You can check the cash flow statement for the variance between Actual and Budget amounts.

- Settings of Memberset, KeyRange and options
 - Row memberset:
 - 1st EvDRE: ACCOUNT dimension with ALL,PARENTAFTER,SELF
 - 2nd EvDRE: TIME dimension with =EvTIM(\$C\$3,\$C\$11,-1)&","&C11
 - Static column memberset: Actual,Budget,Variance
 - In data range, advanced format is applied as CALC property value.

[Download the "Cash Flow Statement by EvDRE.xls"](#)



Cash Flow Statement

Int'l Motors Corp
Quarter 2 2006 Actual

	Actual	Current Budget	Variance
Salaries Exempt	3,662,077	1,898,430	(1,763,647)
Salaries Non-Exempt	9,928,484	7,289,535	(2,638,949)
Salaries	13,590,561	9,187,965	(4,402,596)
Overtime	40,197,963	528,432	(39,669,531)
Bonus	1,061,949	987,267	(74,682)
Commission	2,612,328	1,825,925	(786,403)
Salaries & Wages	57,462,802	12,529,609	(44,933,193)
Payroll Taxes	1,199,568	996,773	(202,795)
Group Health	797,558	666,059	(131,498)
Vacation and Holiday	642,112	539,516	(102,596)
Other Benefits	514,097	436,221	(77,876)
Fringe Benefits	3,153,335	2,638,570	(514,765)
Employee Training	337,338	284,318	(53,021)
Total Personnel Exp	60,953,475	15,452,497	(45,500,978)
Quarter 1 2006	58,830,115	15,326,694	
Quarter 2 2006	60,953,475	15,452,497	

3.11 Balancesheet Trend (Custom report)

This sample uses the advanced format HLEVEL for row expansion members.

- Settings of Memberset, KeyRange and options
 - Row memberset: ALL,ParentAfter
 - Column memberset: BAS
 - The formula to report Hlevel in the row expansion:
=Value(EvPRO(\$B\$3,H12,\$I\$10))
 - Hlevel is used to set advanced format

[Download the "Balance Sheet Trend by EvDRE.xls"](#)



Balance Sheet
Local Currency
Consolidated Worldwide Functions

2006 Q2Trend	2006 JAN	2006 FEB	2006 MAR	2006 APR	2006 MAY	2006 JUN	2006 JUL	2006 AUG	2006 SEP	2006 OCT	2006 NOV	2006 DEC
Sales US Northeast	8,223	16,570	25,752	34,704	43,790	53,013	62,097	70,727	80,220	89,855	99,635	109,562
Sales US Northcentral	2,406	4,848	7,534	10,153	12,812	15,510	18,168	20,693	23,470	26,289	29,151	32,055
Sales US Northwest	4,214	8,491	13,196	17,783	22,439	27,165	31,820	36,242	41,106	46,044	51,055	56,142
Sales US Southeast	18,748	37,777	58,710	79,119	99,834	120,860	141,570	161,245	182,887	204,854	227,151	249,782
Sales US Southcentral	13,872	27,953	43,442	58,543	73,871	89,429	104,753	119,312	135,326	151,580	168,078	184,824
Sales US Southwest	419,568	425,862	468,448	456,736	463,588	470,541	463,483	440,309	484,340	491,605	498,979	506,464
Sales US elimination	0	0	0	0	0	0	0	0	0	0	0	0
Sales US	467,032	521,501	617,081	657,038	716,333	776,517	821,891	848,527	947,349	1,010,227	1,074,049	1,138,828
Mfg US	0	0	0	0	0	0	0	0	0	0	0	0
R&D US	0	0	0	0	0	0	0	0	0	0	0	0
US elimination	0	0	0	0	0	0	0	0	0	0	0	0
United States	467,032	521,501	617,081	657,038	716,333	776,517	821,891	848,527	947,349	1,010,227	1,074,049	1,138,828
Sales France	49,384	99,509	154,647	208,406	262,972	318,356	372,909	424,734	481,743	0	0	0
France	49,384	99,509	154,647	208,406	262,972	318,356	372,909	424,734	481,743	0	0	0
Sales UK	0	0	0	0	0	0	0	0	0	0	0	0
Mfg UK	0	0	0	0	0	0	0	0	0	0	0	0
R&D UK	0	0	0	0	0	0	0	0	0	0	0	0
UK elimination	0	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0	0	0	0	0
Sales Italy	12,969,731	26,134,007	40,614,711	54,733,398	69,063,864	83,609,288	97,936,531	111,547,411	126,519,379	0	0	0
Italy	12,969,731	26,134,007	40,614,711	54,733,398	69,063,864	83,609,288	97,936,531	111,547,411	126,519,379	0	0	0
Sales Switzerland	0	0	0	0	0	0	0	0	0	0	0	0
Switzerland	0	0	0	0	0	0	0	0	0	0	0	0
Europe elimination	0	0	0	0	0	0	0	0	0	0	0	0
Europe	13,019,115	26,233,516	40,769,358	54,941,804	69,326,338	83,927,644	98,309,448	111,972,145	127,001,122	0	0	0
Sales Japan	0	0	0	0	0	0	0	0	0	0	0	0

3.12 Analysis of Total Entity (Custom report)

This sample uses the conditional format for row expansion members. It compares two categories (for example, Actual vs. Budget) on a YTD basis and a periodic basis. The sample uses the conditional format of the native Excel function.

- Settings of Memberset, KeyRange and options
 - Row memberset:
'worldwide2|US,LDEP(1,US)|EUROPE,LDEP(1,EUROPE)|ASIA,LDEP(1,ASIA)|OtherRegions,LDEP(1,OtherRegions)|Eworldwide2'
 - Column memberset: TIME dimension member to report from the current view
 - Formula to report Hlevel:
=EvPRO(\$B\$3,H12,\$I\$10)
 - Hlevel is used to set conditional format.

[Download the Analysis of Total Entity by EvDRE.xls”](#)



Analysis of Total Entity
Compare Periodic with YTD
Consolidated Worldwide Regions

	2006 Q3					YTD 2006 Q3				
	Actual	Budget	Actual vs Budget	DATE-1	Comparison	Actual	Budget	Actual vs Budget	DATE-1	Comparison
Consolidated Worldwide Regions	875,894,788.65	9.00	875,894,788.65	842,805,891.52	0.83	2,589,341,293.75	0.88	2,589,341,293.75	1,713,446,585.18	0.51
United States	4,439,613.39	0.00	4,439,613.39	4,361,778.19	0.02	13,145,682.96	0.00	13,145,682.96	8,706,069.57	0.51
Sales US	4,388,851.50	0.00	4,388,851.50	4,313,176.44	0.02	12,997,080.71	0.00	12,997,080.71	8,608,229.20	0.51
Mfg US	50,761.89	0.00	50,761.89	48,601.75	0.04	148,602.26	0.00	148,602.26	97,840.37	0.52
R&D US	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
US elimination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Europe	739,352,217.96	0.00	739,352,217.96	718,672,901.77	0.03	2,203,166,608.70	0.00	2,203,166,608.70	1,463,814,390.74	0.51
France	2,599,319.36	0.00	2,599,319.36	2,652,038.29	(0.02)	7,614,419.89	0.00	7,614,419.89	5,015,100.53	0.52
United Kingdom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Italy	735,440,231.20	0.00	735,440,231.20	714,735,925.29	0.03	2,191,618,615.41	0.00	2,191,618,615.41	1,456,178,384.22	0.51
Switzerland	1,312,667.40	0.00	1,312,667.40	1,284,938.19	0.02	3,933,573.39	0.00	3,933,573.39	2,620,905.99	0.50
Europe elimination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asia	131,978,637.68	0.00	131,978,637.68	118,847,566.11	0.11	372,658,678.01	0.00	372,658,678.01	240,680,040.33	0.55
Japan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Korea	131,978,637.68	0.00	131,978,637.68	118,847,566.11	0.11	372,658,678.01	0.00	372,658,678.01	240,680,040.33	0.55
Asia elimination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Regions	124,239.61	0.00	124,239.61	123,555.55	0.01	370,324.08	0.00	370,324.08	246,084.47	0.50
Corporate Centers	124,239.61	0.00	124,239.61	123,555.55	0.01	370,324.08	0.00	370,324.08	246,084.47	0.50
Sales Brazil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sales - Adjustments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R&D - Adjustments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manufacturing - Adjustments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Regions elimination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worldwide Functions elimination	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13 KPI (Custom report)

This sample compares the Actual and Budget amounts for KPI members of an Account dimension.

- Settings of Memberset, KeyRange and options
 - Row memberset: KPI member with ALL
 - Column memberset: Actual,Budget
 - Special charters are used for the indicator of increase or decrease rate

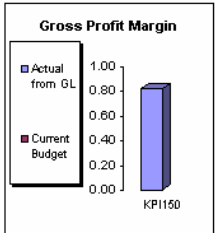
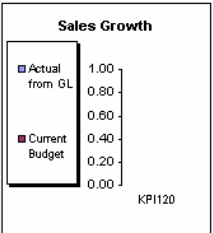
[Download the "KPI by EvDRE.xls"](#)



KPI Report

Consolidated Worldwide Functions
 2006 TOTAL
 Local Currency in Actual from GL

	2006 TOTAL Actual from GL	2006 TOTAL Current Budget	
KPI100 Revenue per employee			▼
KPI140 Average Selling Price			▼
KPI120 Sales Growth			▼
KPI130 Cost of Goods Sold to Sales	(0.24)		▼
KPI140 Net Profit Margin	0.45		▲
KPI150 Gross Profit Margin	0.82		▲
KPI160 SM & GA Expense to Sales	(0.05)		▼
KPI170 Current Ratio	(2.61)		▼
KPI180 Quick Ratio	(2.42)		▼
KPI190 Net working Capital Ratio	1.14		▲
KPI200 Return on Asset	(0.22)		▼
KPI210 Return on Equity	1.35		▲
KPI220 Return on Common Equity	1.45		▲
KPI230 Asset Turnover Ratio	(0.50)		▼
KPI240 Account Receivable Turnover Ratio	(3.25)		▼
KPI250 Average Collection Period	(110.77)		▼
KPI260 Account Payable Turnover Ratio	(0.53)		▼
KPI270 Inventory Turnover Ratio	1.98		▲
KPI280 Average Age of Inventory	181.82		▲
KPI290 Sales to Total Asset	(0.50)		▼
KPI300 Days in Receivable	(110.79)		▼
KPI310 Days in Payable	(682.63)		▼
KPI320 Days in Inventory	182.03		▲
KPI330 Debt Ratio	(0.62)		▼
KPI340 Debt To Equity Ratio	2.32		▲
KPI350 Interest Coverage Ratio	140.95		▲
KPI360 Debt Coverage Ratio	0.52		▲
KPI370 Earning Per Share			▲
KPI380 Price Earning Ratio			▼



3.14 Work status (Custom report)

This sample displays the work status for a specified period.

- Settings of Memberset, KeyRange and options
 - Row memberset: workstatus driving dimension such as ENTITY with SELF,ALL and ELIM<->"y"
 - The Column Memberset reports workstatus value and displays the validation for each entity member. Validation account member data is retrieved and then the formula(=IF(P24=1,Failed,Passed)) checks the pass or fail for validation.
 - Hlevel is used to set an advanced format.

[Download the "Work Status by EvDRE.xls"](#)



Actual from GL
2006 TOTAL

Entity	Owner	Work Status			Validation
		Status	User	Date/Time Stamp	Validation
Consolidated Worldwide Regions	SAP\Administrator	Unlocked			Passed
United States	SAP\Administrator	Unlocked			Passed
Sales US	SAP\Administrator	Unlocked			Passed
Sales US Northeast	SAP\Administrator	Unlocked			Passed
Sales US Northcentral	SAP\Administrator	Unlocked			Passed
Sales US Northwest	SAP\Administrator	Unlocked			Passed
Sales US Southeast	SAP\Administrator	Unlocked			Passed
Sales US Southcentral	SAP\Administrator	Unlocked			Passed
Sales US Southwest	SAP\Administrator	Unlocked			Passed
R&D US	SAP\Administrator	Unlocked			Passed
Europe	SAP\Administrator	Unlocked			Passed
France	SAP\Administrator	Unlocked			Passed
Sales France	SAP\Administrator	Unlocked			Passed
United Kingdom	SAP\Administrator	Unlocked			Passed
Sales UK	SAP\Administrator	Unlocked			Passed
Mfg UK	SAP\Administrator	Unlocked			Passed
R&D UK	SAP\Administrator	Unlocked			Passed
Italy	SAP\Administrator	Unlocked			Passed
Sales Italy	SAP\Administrator	Unlocked			Passed
Switzerland	SAP\Administrator	Unlocked			Passed
Sales Switzerland	SAP\Administrator	Unlocked			Passed
Asia	SAP\Administrator	Unlocked			Passed
Japan	SAP\Administrator	Unlocked			Passed
Sales Japan	SAP\Administrator	Unlocked			Passed
Korea	SAP\Administrator	Unlocked			Passed
Sales Korea	SAP\Administrator	Unlocked			Passed
Other Regions	SAP\Administrator	Unlocked			Passed
Corporate Centers	SAP\Administrator	Unlocked			Passed
Finance	SAP\Administrator	Unlocked			Passed
Human Resources	SAP\Administrator	Unlocked			Passed

3.15 Validation (Custom report)

This sample displays the validation member value.

- Settings of Memberset, KeyRange and options
 - Row memberset: validation member of the ACCOUNT dimension with DEP,SELF
 - Column memberset: ENTITY dimension with DEP,SELF
 - Data range is set 'Failed' or 'Passed' as validation members value from the EvGTS function.
=IF(EvGTS(\$C\$3,\$I13,L\$10)=0,"Passed","Failed")
 - A conditional format is used to determine the validation as 'Passed' or 'Failed'.

[Download the "Validation Report by EvDRE.xls"](#)



Validation Report
Consolidated Worldwide Functions
2006 TOTAL

	Sales	R&D	Manufacturing	Corporate Centers	Worldwide Functions elimination	Consolidated Worldwide Functions
Net Profit Validation	Failed	Passed	Passed	Passed	Passed	Failed
PPE Validation	Failed	Passed	Passed	Passed	Passed	Failed
Balance Sheet Validation	Failed	Passed	Passed	Passed	Passed	Failed
Net Validation Account	Failed	Passed	Passed	Passed	Passed	Failed

3.16 ConsolContribute (Custom report)

This sample reports 'NetIncome' and 'BalanceSheet' from the LEGALAPP application and 'Percent Ownership' and 'Consolidation Method' from the OWNERSHIP application.

- Settings of Memberset, KeyRange and options
 - First EvDRE:
 - Row memberset: ACCOUNTL dimension with LDEP(3,NetIncome),ParentAfter|LDEP(3),ParentAfter
 - Column memberset: LEGALENTITY dimension with ALL
 - Second EvDRE:
 - Row memberset: OWNACCOUNT dimension with POWN,METHOD
 - When you use the member lookup function, Percent ownership is displayed as a percentage and the Consolidation Method is displayed as the method name.
 - Hlevel is used to set advanced format.

[Download the "ConsolContribute by EvDRE.xls"](#)



Legal Consolidated
2005 TOTAL

	CADDIE GOLF GROUP	EURO ZONE	CG France	CG Germany	CG Italy	CG Spain	CG Benelux	CG Finland	NON-EURO ZONE
Consolidation Information									
Percent Ownership	0%	0%	100%	100%	100%	100%	100%	100%	0%
Consolidation Method			Global	Global	Global	Global	Global	Global	
Income Statement									
Extraordinary income: Profit/debtors									
Other extraordinary income/Normal operations									
Profits attributable to prior years									
Extraordinary income / operation of gestion*									
FINANCIAL RESULT									
OPERATING RESULT									
NET INCOME BEFORE EXTRAORDINARY ITEMS AND TAX									
Employee profit sharing plan: Year expense									
Income tax**									
Deferred taxes									
Profit in associated undertakings**									
Amortization charge of consolidated goodwill									
Write-Down/Write back negative goodwill									
Depreciation/Improv charges on goodwill**									
TOTAL EXTRAORDINARY EXPENSES									
TOTAL EXTRAORDINARY INCOME									
EXTRAORDINARY RESULT									
Net income/year : Group									
Net income/year : Group									
Net income/year : Minority									
Balance Sheet									
Shareholders: authorized and uncalled share Capital									
Fixed assets: Reciprocal Account									
Fixed assets: Balance Sheet									

4 Tips

4.1 Tips to Improve Performance

We analyzed several customers' EvDRE templates and suggest the following ways to improve performance or to correct errors.

Using multiple EvDREs

Data retrieval is faster for multiple EvDREs than data retrieval for one EvDRE if the server is close to clients, such as in a LAN environment. But if clients are far from the server, data retrieval with one EvDRE improves performance.

For example, the 'Entite_stat' dimension has 7135 members. If user uses a 'BASMEMBER' or 'ALL' flag, a large amount of data is retrieved at one time.

RANGE	VALUE
PageKeyRange	Sheet1!\$F\$3:\$F\$15
ColKeyRange	Sheet1!\$G\$17:\$V\$17
RowKeyRange	Sheet1!\$E\$19:\$E\$7153
CellKeyRange	
GetOnlyRange	
FormatRange	
OptionRange	Sheet1!\$A\$24:\$B\$45
SortRange	

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	PERIODE	ENTITE_STAT
MemberSet	all	all
BeforeRange		
AfterRange		
Suppress		
Insert		

Use multiple EvDREs to distribute members to multiple EvDREs as the first level members of Entite_stat dimension

EVDRE:OK			EVDRE:OK			EVDRE:OK		
App	FINANCIER_STAT		App	FINANCIER_STAT		App	FINANCIER_STAT	
ENTITE_STAT	aa10		ENTITE_STAT	aa20		ENTITE_STAT	aa30	
PARAMETER	EXPANSION 1	EXPANSION 2	PARAMETER	EXPANSION 1	EXPANSION 2	PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW	ExpandIn	COL	ROW	ExpandIn	COL	ROW
Dimension	PERIODE	ENTITE_STAT	Dimension	PERIODE	ENTITE_STAT	Dimension	PERIODE	ENTITE_STAT
MemberSet	all	all	MemberSet	all	all	MemberSet	all	all

The results for the performance test compare the elapsed time of data retrieval between using one EvDRE and using multiple EvDREs. The result below is the average time for five instances of data retrieval with 114,016 cells. In a LAN environment, the response time using multiple EvDREs is faster than using one EvDRE, but in a WAN environment, using one EvDRE is faster than using multiple EvDREs.

	LAN(Local server)	WAN(WALLDORF server)
Using one EvDRE	27.86 sec.	33.05 sec.
Using multiple EvDREs	15.996 sec.	40.99 sec.

Using a formatted range

The sample below shows an incorrect use case of the 'BeforeRange and AfterRange' parameters.

The conditional range is used for a time dimension. If the time dimension member is selected as '2005.TOTAL,2006.TOTAL', the range is set to E27 and an error occurs.

	D	E	F	G
23				
24	YEAR			
25	Month	#ERR,#ERR,#ERR,#ERR,#E	PL_CurrentPeriod!J12:X13	PL_CurrentPeriod!J10:X11
26	Quarter	#ERR,#ERR,#ERR,2005.TC	PL_CurrentPeriod!J12:P13	PL_CurrentPeriod!J10:P11
27	Year	2005.TOTAL,2006.TOTAL	PL_CurrentPeriod!J12:M13	PL_CurrentPeriod!J10:M11
31				
PARAMETER	EXPANSION 1	EXPANSION 2	EXPANSION 3	
32				
33	ExpandIn	ROW	ROW	COL
34	Dimension	ACCOUNT	BUSINESS	TIME
35	MemberSet	LABOR,DEPR,Other_Exp,T	ALL AND HLEVEL="4"	2005.TOTAL,2006.TOTAL
36	BeforeRange		PL_CurrentPeriod!J12:M13	
37	AfterRange	PL_CurrentPeriod!\$A\$144:	PL_CurrentPeriod!J10:M11	
38	Suppress		Y	
39	Insert			

When you use the 'Before or AfterRange' parameters, select one more cell than the number of columns row expansionsmn. Only 2 cells are required for the 'BeforeRange or AfterRange'.

	K	L	M	N	O
9					
10		Total #NODATA	EVSUM		
16					
PARAMETER	EXPANSION 1	EXPANSION 2	EXPANSION 3		
17					
18	ExpandIn	ROW	ROW	COL	
19	Dimension	ACCOUNT	BUSINESS	TIME	
20	MemberSet	LABOR,DEPR,C	ALL AND HLEVEL=	2005.TOTAL,2006.TOTAL	
21	BeforeRange		PL_CurrentPeriod!L10:M10		
22	AfterRange	PL_CurrentPeri	PL_CurrentPeriod!L10:M10		
23	Suppress		Y		
24	Insert				

The same template shows data from an advanced format that can decrease rendering performance.

The same format is defined in both the DEFAULT criteria and the criteria from 'Account.Rpt_Cons=4' to 'Account.Rpt_Cons=8'. The latter group of instructions is redundant because it reapplies the same format as that of the DEFAULT. This slows down the application of the advanced formatting instructions because each row of instructions is validated and applied. Remove redundant formatting instructions so that performance is not decreased.

	A	B	C	D	E	F
68	CRITERIA	EVALUATE IN	FORMAT	USE	PARAMETERS	APPLY TO
93						
94	DEFAULT	ROW		12,345	ALL	DATA
95						
96	Account.Rpt_Cons=1	ROW		12,345	ALL	DATA
97						
98	Account.Rpt_Cons=2	ROW		12,345	ALL	DATA
99						
100	Account.Rpt_Cons=3	ROW		1,235	ALL	DATA
101						
102	Account.Rpt_Cons=4	ROW		1,235	ALL	DATA
103						
104	Account.Rpt_Cons=5	ROW		1,235	ALL	DATA
105						
106	Account.Rpt_Cons=6	ROW		1,235	ALL	DATA
107						
108	Account.Rpt_Cons=7	ROW		1,235	ALL	DATA
109						
110	Account.Rpt_Cons=8	ROW		1,235	ALL	DATA

Using a validation list

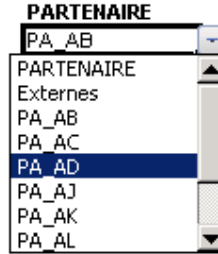
This sample illustrates an example that decreases performance.

'BASMEMBERS' is used for each dimension of the nested row expansion using two EvDREs. In addition, the 'Insert' and 'Suppress' options are used. This template slows down performance because a large amount of data is retrieved for the nested row expansion and the two options, 'Insert' and 'Suppress', are calculated for each row dimension.

	A	B	C	D	E	F	G	H	I	
1	-EVDRE(\$B\$13,A29:B36,A39:J45)									
37										
38	PARAMETER	EXPANSION 1	EXPANSION 3	EXPANSION 1	EXPANSION 1	EXPANSION 1	EXPANSION 1	EXPANSION 2	EXPANSION 4	
39	ExpandIn	ROW	ROW	ROW	ROW	ROW	ROW	ROW	SHEET	
40	Dimension	COMPTE_PLC	PARTENAIRE	OFFRE	PROJET	CAI	CANAL	PRODUIT	ENTITE_OFF	
41	MemberSet	="#BAS"&A47&B46&A48&B	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS	#=IF(EVPRO,(\$B\$13,\$B\$1	
42	BeforeRange									
43	AfterRange									
44	Suppress	y	y	y	y	y	y	y		
45	Insert	="#BAS"&A47&A46&A48&A	y	y	y	y	y	y		
80	Top									
91										
92	-EVDRE(\$B\$13,A95:B102,A105:H111)									
93										
104	PARAMETER	EXPANSION 1	EXPANSION 3	EXPANSION 1	EXPANSION 1	EXPANSION 2	EXPANSION 1	EXPANSION 2		
105	ExpandIn	ROW	ROW	ROW	ROW	ROW	ROW	ROW		
106	Dimension	COMPTE_PLC	PARTENAIRE	OFFRE	PROJET	CAI	CANAL	PRODUIT		
107	MemberSet	="#BAS"&A52&B46&A53&B	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS	BASMEMBERS		
108	BeforeRange									
109	AfterRange									
110	Suppress	y	y	y	y	y	y	y		
111	Insert	="#BAS"&A52&A46&A53&A	y	y	y	y	y	y		

You can select members of each dimension from the Validation list instead of from the current view to speed up performance.

App	SAISIE_FINANCIER
CAI	CI_TOTAL_REPC
CANAL	CD_TOTAL
CATEGORIE	=EVCVW(\$B\$13,A16)
COMPTE_PLC	REP1
ENTITE_OPF	=EVCVW(\$B\$13,A18)
MEASURES	periodic
NATURE	=O8
OFFRE	OF_TOTAL
PARTENAIRE	=F16
PERIODE	=EVCVW(\$B\$13,A23)
PRODUIT	PR_TOTAL_REPP
PROJET	TOTAL_PROJET



Validation list function

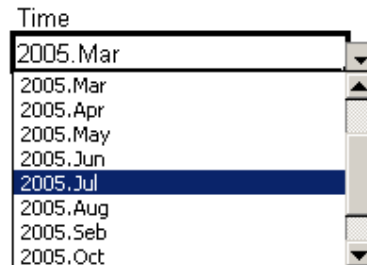
The sample below shows an incorrect use of time dimension members.

The system retrieves data if you select the month level time member from the current view. If you select a different time member, such as quarter or year, the system retrieves incorrect data.

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	TIME	ACCOUNT
MemberSet	=A22	DEP(SALES_ITP)
BeforeRange		
AfterRange		
Suppress		
Insert		

22 =EVTIM(\$L\$2,\$L\$14,-13)&","&EVTIM(\$L\$2,\$L\$14,-12)&","&EVTIM(\$L\$2,\$L\$14,-11)&","&EVTIM(\$L\$2,\$L\$14,-10)&","&
 23 EVTIM(\$L\$2,\$L\$14,-9)&","&EVTIM(\$L\$2,\$L\$14,-8)&","&EVTIM(\$L\$2,\$L\$14,-7)&","&EVTIM(\$L\$2,\$L\$14,-6)&","&EVTIM(
 24 \$L\$2,\$L\$14,-5)&","&EVTIM(\$L\$2,\$L\$14,-4)&","&EVTIM(\$L\$2,\$L\$14,-3)&","&EVTIM(\$L\$2,\$L\$14,-2)&","&EVTIM(\$L\$2,
 25 \$L\$14,-1)&","&EVTIM(\$L\$2,\$L\$14)

App	FINANCE	=EVAPD(\$L\$2)
ACCOUNT	MBalanceSheet	=EVDES(L3,\$L\$2)
BUSINESS	=EVCVW(\$L\$2,J4)	=EVDES(L4,\$L\$2)
CATEGORY	=EVCVW(\$L\$2,J5)	=EVDES(L5,\$L\$2)
COST_CEN	ALL_COSTCENTERS	=EVDES(L6,\$L\$2)
DATASRC	CONSOLIDATED	=EVDES(L7,\$L\$2)
ENTITY	=EVCVW(\$L\$2,J8)	=EVDES(L8,\$L\$2)
FUNCT_ARE	All_Functions	=EVDES(L9,\$L\$2)
GEOGRAPH	ALL_GEOGRAPHIES	=EVDES(L10,\$L\$2)
INDUSTRY	ALL_INDUSTRIES	=EVDES(L11,\$L\$2)
MEASURES	PERIODIC	=EVDES(L12,\$L\$2)
RPTCURREI	=EVCVW(\$L\$2,J13)	=EVDES(L13,\$L\$2)
TIME	=N6	=EVDES(L14,\$L\$2)



4.2 General Tips

- When you open an EvDRE report that does not have the *Expand on workbook open* or the *Refresh workbook on workbook open* option in the workbook options, you must refresh or expand it first.
- If you retrieve several members that contain many dimensions in the one axis, this may slow down performance.

Multiple EvDREs in a worksheet may overlap each other. Check the member list when you create a worksheet with multiple EvDREs.

5 Design Considerations (Requirements)

This section introduces some design considerations and suggested workarounds.

5.1 MemberSet

- If a property name or member ID starts with a reserved keyword (DEP, BAS, ALL, SELF, BASMEMBERS, MEMBERS) and is used in a MemberSet filter expression at the beginning of the string, the expansion does not work because of a parsing issue. For example: **DEPARTMENT**=mydept, the property name starts with DEP.
- The ParentAfter option does not work with a filter like 'AccType=INC, ParentAfter' since EvDRE cannot determine the parent member among members that satisfied the property filter. If you enter member IDs with ParentAfter, for example, 'NetIncome,PretaxIncome,Taxes,ParentAfter', ParentAfter does not work. ParentAfter works with memberset flag, for example, *DEP, ALL, MEMBERS*.
- Use of membersets
 - Combinations of membersets

**Expression:* Only the delimiters shown below for each combination are allowed.

Combination	Expression*	Example	Incorrect use case	Comment
Member ID + Member ID	[Member ID],[Member ID]	2006.Jan,2006.Feb ExtSales,ICSales	2006.Jan,2006.Feb ExtSales,ICSales	Space is not allowed.
Member ID + Flag	[Member ID],[Flag]	Actual,DEP ICSales,BAS(2006.TOTAL) SalesKorea,LDEP(2,BalanceSheet) BAS(2006.Q1),2006.Q1	Actual,DEP SalesKorea,LDEP(2,BalanceSheet) BAS(2006.Q1),2006.Q1	Space is not allowed.
			Actual,DEP SalesKorea,DEP LDEP(2,BalanceSheet) BAS(2006.Q1),2006.Q1	'AND'/'OR' is not allowed.
Member ID + Filter	[Member ID],[Filter]	ExSales,ACCTYPE="INC"	ExSales,ACCTYPE="INC"	Space is not allowed.
			ExSales,ACCTYPE="INC"	'AND'/'OR' is not allowed.
Flag + Flag	[Flag],[Flag]	SELF,DEP BAS,DEP(2006.Q1) LDEP(2),BAS	SELF,DEP BAS,DEP(2006.Q1) LDEP(2),BAS	Space is not allowed.
Flag + Filter	[Flag] and [Filter]	BAS(2006.Q1) and LEVEL="MONTH" Budget and Period="2006" LDEP(2,BalanceSheet) and Year="2007" SELF,DEP and ACCTYPE="INC",ID=Account:SalesKorea MEMBERS and Group="ACTUAL"	Budget,Period="2008" MEMBERS,Group="ACTUAL" LDEP(2,BalanceSheet),Year="2007"	Comma is not allowed.
			Budget,Period="2006" MEMBERS,Group="ACTUAL" LDEP(2,BalanceSheet),Year="2007"	'OR' is not allowed.
Flag + ParentAfter	[Flag],[ParentAfter]	SELF,ParentAfter DEP(2006.Total),ParentAfter,SELF ParentAfter,MEMBERS and Acctype="INC" and Group="Profit & Loss"	SELF,ParentAfter DEP(2006.Total),ParentAfter,SELF	Space is not allowed.
			SELF,ParentAfter DEP(2006.Total),ParentAfter,SELF	'AND'/'OR' is not allowed.
Filter + Filter	[Filter] and/or [Filter]	AccType="INC" or AccType="EXP" and calc="N" Year="2007" or Period="2006"	CALC="Y" and (YEAR="2006" or PERIOD="TOTAL")	Bracket is not allowed.
			YEAR="2006",CALC="Y"	Comma is not allowed.

- Do not use brackets () to manipulate the order of parsing memberset flags, for example, the result of 'AccType=INC or (AccType=EXP and calc=N)' is same as AccType=INC or
- If you use an incorrect filter or flag on the MemberSet, no members are displayed in the RowKey Range. For example, no error message displays if the MemberSet has an incorrect option like 'basemember', 'BAS and FINSTMT="BS" =', 'BAS and Group2="ACTUAL"'.

5.2 DrillDown

If you use the options outlined below in an EVDRE sample, you cannot expand or collapse by using drilldown.

- DrillDown with a specific memberset

When you drill down on a row memberset set to SELF and the DrillDown option is set to 'Expand by overwriting rows', no change occurs. If the DrillDown option is set to Expand by overwriting rows, DrillDown expands members as the defined memberset of the current view.

- If you drill down on a numeric member ID that is the same as a numeric data value, child members of the member are displayed.
- DrillDown on SortRange applied

If you drill down on the SortRange of a template with 'Expand by inserting new rows' option, the Base member is duplicated as shown below. The template has a sort range for RowKey Range.

- In the example below, members are expanded correctly when you drill down on 'PRETAXINCOME', but when you drill up the members are duplicated. After you drill down on 'PRETAXINCOME', the following is displayed:

	2006.Q1	2006.JAN	2006.FEB	2006.MAR
	2006 Q1	2006 JAN	2006 FEB	2006 MAR
NetIncome	680,580,436.00	228,489,589.99	235,427,427.34	216,663,418.67
OPERATINGINCOME	780,768,657.86	260,483,126.84	267,901,086.87	252,384,444.15
OTHEREXP	19,494,088.69	6,225,131.39	6,318,551.10	6,950,406.21
PRETAXINCOME	761,274,569.17	254,257,995.45	261,582,535.78	245,434,037.95
TAXES	80,694,133.17	25,768,405.46	26,155,108.44	28,770,619.28

After drill upping on 'PRETAXINCOME' you see the following:

	2006.Q1	2006.JAN	2006.FEB	2006.MAR
	2006 Q1	2006 JAN	2006 FEB	2006 MAR
NetIncome	680,580,436.00	228,489,589.99	235,427,427.34	216,663,418.67
OPERATINGINCOME	780,768,657.86	260,483,126.84	267,901,086.87	252,384,444.15
OPERATINGINCOME	780,768,657.86	260,483,126.84	267,901,086.87	252,384,444.15
OTHEREXP	19,494,088.69	6,225,131.39	6,318,551.10	6,950,406.21
OTHEREXP	19,494,088.69	6,225,131.39	6,318,551.10	6,950,406.21
PRETAXINCOME	761,274,569.17	254,257,995.45	261,582,535.78	245,434,037.95
TAXES	80,694,133.17	25,768,405.46	26,155,108.44	28,770,619.28

- **Workaround:** Sort option and DrillDown cannot be applied to the same report, unless you set the DrillDown option to 'Expand by overwriting rows' on a report..

- Below are design considerations of using DrillDown with the 'Expand by inserting new rows' option.
 - DrillDown works only for a Row member but does not work for a Column member
 - If you use the ParentAfter option, the DrillDown behavior does not changed. Members expanded by drilldown are inserted below the parent member of them even ParentAfter option is set.
 - The system may expand a member more than once in the KeyRange during drill down. In the example below, if you double-click on 'NETINCOME', 'PRETAXINCOME' is expanded even when the member already exists on KeyRange.

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	TIME	ACCOUNT
MemberSet	SELF,DEP	SELF,DEP

		2006.Q2	2006.APR	2006.MAY	2006.JUN
		2006 Q2	2006 APR	2006 MAY	2006 JUN
NetIncome	Net Income	4,313,176.44	1,440,962.18	1,445,736.86	1,426,477.40
PRETAXINCOME	Pretax Income	4,975,964.46	1,658,610.48	1,666,649.87	1,650,704.11
TAXES	Taxes	662,788.02	217,648.29	220,913.02	224,226.71
PRETAXINCOME	Pretax Income	4,975,964.46	1,658,610.48	1,666,649.87	1,650,704.11
TAXES	Taxes	662,788.02	217,648.29	220,913.02	224,226.71

- If you drill-down by inserting new rows on a member included in a Before or After Range, the formulas containing "=Sum()" for the EvSUM members are replaced by the values for those cells before the drill-down is performed. This prevents the EvSUM formulas from doubling the value of the member on which the drill-down was performed. If you perform a new expansion on the report, the rows inserted by the drill-down are removed and the EvSUM formulas are created again. If you drill-down on a member of the inner dimension in a nested expansion (containing a Before or After Range on the inner dimension), all EvSUM formulas are replaced by values, not just those corresponding to the member in the outer dimension associated with the member which was drilled on.
- Drilldown history is not saved. After you drill down to the children of a member, the only way to drill down or drill up is by double-clicking on a member.

5.3 Formatted range

There are limitations to applying a format such as Before or After range, formatted memberset, and advanced formatting. You cannot use the format if the formatted range and other options are combined as shown below.

- Combination of EvSUB and BeforeRange or AfterRange

EvSUB option does not work if EvSUB is defined in the BeforeRange or AfterRange of the Expansion Range. The objective of EvSUB is to be used with BeforeRange/AfterRange of Sort range, not Expansions Range. We do not recommend defining EvSUB in BeforeRange/AfterRange of Expansions Range.

	A	B	C
13	PARAMETER	EXPANSION 1	EXPANSION 2
15	Dimension	TIME	ACCOUNT
16	MemberSet	DEP	BAS
18	AfterRange		Sheet1!\$B\$21:\$C\$21
21			EVSUB

The sum data is not included in the BeforeRange or AfterRange.

	2006.APR	2006.MAY	2006.JUN
EXTSALES	3,005,984.00	3,034,234.00	3,038,802.00
ICSALES	174,118.63	176,730.41	179,381.37
3RDPARTY			
RAWMATERIALS	261,177.95	265,095.62	269,072.06
DIRECTLABOR	305,578.20	310,161.88	314,814.30
SUPPLIES	32,716.89	33,207.64	33,705.76
ICDIFF			
DEPRECIATION	34,823.73	35,346.08	35,876.27
AMORT	87,059.32	88,365.21	89,690.69
DIVEXP			
OTHEREXP	52,579.47	53,368.17	54,168.69
TAXES	217,648.29	220,913.02	224,226.71
EV_AFTER	EVSUB	EVSUB	EVSUB

If you combine 'insert member' and 'formatted range', the added row is not applied to the format. Select 'Refresh' to apply the format after using 'insert member'.

- If you combine the BeforeRange or After Range and Suppress options, unnecessary empty rows are expanded, as shown below.

PARAMETER	EXPANSION 1	EXPANSION 2	EXPANSION 3
ExpandIn	COL	ROW	ROW
Dimension	DATASRC	ACCOUNT	INTCO
MemberSet	SELF,BAS	SELF	BAS
BeforeRange			Sheet1!\$J\$2:\$L\$2
AfterRange			Sheet1!\$J\$3:\$L\$3
Suppress	Y		Y

		TOTALADJ	INPUT
		TOTALADJ	Company Input
NETINCOME	EV_BEFORE		
NETINCOME	NON_INTERCO	680,580,436.00	680,580,436.00
NETINCOME	EV_AFTER		
	EV_BEFORE		
	EV_AFTER		

- Design considerations of 'Advanced Formatting'
 - The following advanced format range is not supported:
 - 1. Criteria
 - a. Status=n
 - b. LOCKED
 - c. KEY="{string}"
 - d. HEADING="{string}"
 - 2. Evaluate In
 - a. PAGE
 - b. CELL
 - c. ROWCOL

5.4 KeyRange

This section outlines the design considerations for the MultiKeyRange and CellKeyRange.

- MultiKeyRange
 - If you use the CellKeyRange in the MultiKeyRange, the second KeyRange value is displayed between the MultiKeyRange.

RANGE	VALUE	
ColKeyRange	Sheet1!\$G\$12:\$H\$12,Sheet1!\$J\$12:\$K\$12	
PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
MemberSet	2006.q1,2006.q2 or 2006.q3,2006.q4	\$SELF

	E	G	H	I	J	K
11		2006.JAN	2006.FEB	2006.MAR	2006.APR	
12		2006.Q1	2006.Q4		2006.Q1	2006.Q4
13		2006 Q1	2006 Q4		2006 Q1	2006 Q4
14	NetIncome	295,578,015.79	301,844,486.74	273,846,513.41	283,669,148.50	874,646,452.04

- If you use the BeforeRange or AfterRange in the MultiKeyRange, Before/After Range is applied between the MultiKeyRange.

	A	B	C
3	RANGE	VALUE	
5	ColKeyRange	Sheet1!\$G\$12:\$H\$12,Sheet1!\$J\$12:\$K\$12	
6	RowKeyRange	Sheet1!\$E\$14:\$E\$17	
13	PARAMETER	EXPANSION 1	EXPANSION 2
14	ExpandIn	COL	ROW
17	BeforeRange		Sheet1!\$A\$21:\$B\$21
18	AfterRange		Sheet1!\$A\$22:\$B\$22
21			
22			

	E	F	G	H	I	J	K
12			2006.Q1	2006.Q4		2006.Q1	2006.Q4
13			2006.Q1	2006.Q4		2006.Q1	2006.Q4
14	EV_BEFORE						
15	NetIncome	Net Income	871,260,127.94	874,646,452.04		871,260,127.94	874,646,452.04
16							
17	EV_AFTER						

- CellKeyRange

- If you execute 'Expand All' after you set the CellKeyRange to a row axis, the CellKeyRange is copied to the next column in the data range.

	A	B
3	RANGE	VALUE
7	CellKeyRange	Sheet1!\$G\$11:\$J\$11

	E	G	H	I	J	K	L	M	N
11		2006.JAN	2006.FEB	2006.MAR	2006.APR				
12		2006.Q1	2006.Q2	2006.Q3	2006.Q4				
13		2006.Q1	2006.Q2	2006.Q3	2006.Q4				
14	PRETAXINCOME	337,346,120.99	344,239,113.51	320,480,602.86	329,137,385.71	2006.JAN	2006.FEB	2006.MAR	2006.APR

- o If you use the Before or After Range after you set the CellKeyRange, the CellKeyRange does not move to the data range, because it is a fixed range.

	A	B	C
3	RANGE	VALUE	
7	CellKeyRange	Sheet1!\$G\$11:\$J\$11	
13	PARAMETER	EXPANSION 1	EXPANSION 2
14	ExpandIn	COL	ROW
17	BeforeRange	Sheet1!\$C\$21:\$C\$22	
18	AfterRange	Sheet1!\$B\$21:\$B\$22	
21			
22			

	E	G	H	I	J	K	L
11		2006.JAN	2006.FEB	2006.MAR	2006.APR		
12		EV_BEFORE	2006.Q1	2006.Q2	2006.Q3	2006.Q4	EV_AFTER
13			2006 Q1	2006 Q2	2006 Q3	2006 Q4	
14	NetIncome		295,578,015.79	301,844,486.74	273,846,513.41	283,669,148.50	

- o When you set the CellKeyRange in a column, the next column of the data range must be set to the CellKeyRange, because this range refers only to the next column. If you set another column in the CellKeyRange then the incorrect data is retrieved.

Expected Result:

	A	B
3	RANGE	VALUE
7	CellKeyRange	Sheet1!\$K\$14:\$N\$15

	E	G	H	I	J	K	L	M	N
12		2006.Q1	2006.Q2	2006.Q3	2006.Q4				
13		2006 Q1	2006 Q2	2006 Q3	2006 Q4				
14	NetIncome	295,578,015.79	301,844,486.74	273,846,513.41	283,669,148.50	2006.JAN	2006.FEB	2006.MAR	2006.APR

Example of an incorrect use case of the CellKeyRange:

	A	B
3	RANGE	VALUE
7	CellKeyRange	Sheet1!\$L\$14:\$O\$15

	E	G	H	I	J	K	L	M	N	O
12		2006.Q1	2006.Q2	2006.Q3	2006.Q4					
13		2006 Q1	2006 Q2	2006 Q3	2006 Q4					
14	NetIncome	871,260,127.94	295,578,015.79	301,844,486.74	273,846,513.41		2006.JAN	2006.FEB	2006.MAR	2006.APR

- o You cannot set the CellKeyRange on 2 axes at the same time, then execute 'Expand All', because the CellKeyRange refers to the incorrect range.

	A	B							
3	RANGE	VALUE							
7	CellKeyRange	Sheet1!\$G\$11:\$J\$11,Sheet1!\$K\$15:\$N\$15							

	E	G	H	I	J	K	L	M	N
11		2006.JAN	2006.FEB	2006.MAR	2006.APR				
12		2006.Q1	2006.Q2	2006.Q3	2006.Q4				
13		2006 Q1	2006 Q2	2006 Q3	2006 Q4				
14	PRETAXINCOME	337,346,120.99	344,239,113.51	320,480,602.86	329,137,385.71				
15	TAXES	41,768,105.19	42,394,626.77	46,634,089.45	45,468,237.21	2006.JAN	2006.FEB	2006.MAR	2006.APR

Result after you execute 'Expand All'

	A	B
1	validateKeyRange: error 424-Object required	
3	RANGE	VALUE
7	CellKeyRange	⌂⌂⌂⌂⌂⌂

5.5 Suppress

If the suppress member in an expansion is a member of the expansion dimension, you get an error message when you expand the report.

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	TIME	ACCOUNT
MemberSet	DEP	BAS
Suppress	2006.TOTAL	

You can use Block Suppress only in Nested Expansion mode. The inner row's member set must be a formatted member set; otherwise it behaves like a general suppression. The Retain Suppress option can be used only in the Nested Expansion mode.

5.6 SumParent

- A parent member with the SumParent option shows the children's summary data, so check that you have set the correct memberset values for parent-base children structure. For example, if the memberset is 'SELF' or if a member without a base member is 'DEP', the expansion generates an EVDRE error message.
- The SELF memberset with the SumParent option causes an EVDRE error. We recommend using ALL, MEMBERS and BASMEMBERS if you use SumParent, since parent member cells must refer to base level member cells. If there are no reference cells or base level members, EVDRE generates an error.

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	TIME	ENTITY
MemberSet	SELF	ALL

- A nested EvDRE report with both the 'SELF,DEP' and the SumParent options can result in incorrect data.

PARAMETER	EXPANSION 1	EXPANSION 2	EXPANSION 3
ExpandIn	COL	ROW	ROW
Dimension	TIME	ACCOUNT	ENTITY
MemberSet	SELF,DEP	SELF,DEP	ALL
Option	Value		
SumParent	Y		

		2006.Q1	2006.JAN	2006.FEB	2006.MAR
NetIncome	SALES	(80,694,133.17)	(25,768,405.46)	(26,155,108.44)	(28,770,619.28)
NetIncome	SALESUS	(626,100.91)	(199,936.43)	(202,935.47)	(223,229.02)
NetIncome	SALESUSNEAST	(50,553.18)	(16,143.44)	(16,385.59)	(18,024.15)
NetIncome	SALESUSNCENTRAL	(14,790.52)	(4,723.14)	(4,793.99)	(5,273.39)
NetIncome	SALESUSNWEST	(25,904.60)	(8,272.27)	(8,396.35)	(9,235.98)
NetIncome	SALESUSSEAST	(115,252.67)	(36,804.30)	(37,356.36)	(41,092.00)
NetIncome	SALESUSSCENTRAL	(85,280.04)	(27,232.97)	(27,641.46)	(30,405.61)
NetIncome	SALESUSSWEST	(334,319.90)	(106,760.31)	(108,361.71)	(119,197.88)
NetIncome	ESALESUS	0.00	0.00	0.00	0.00
NetIncome	SALESEUROPE	(80,034,075.44)	(25,557,744.03)	(25,941,110.19)	(28,535,221.21)
NetIncome	SALESFRANCE	(303,586.50)	(96,946.03)	(98,400.22)	(108,240.25)
NetIncome	SALESUK	0.00	0.00	0.00	0.00
NetIncome	SALESITALY	(79,730,488.94)	(25,460,798.00)	(25,842,709.97)	(28,426,980.97)
NetIncome	SALESSWITZER	0.00	0.00	(0.00)	0.00
NetIncome	ESALESEUROPE	0.00	0.00	0.00	0.00
NetIncome	SALESASIA	(33,956.82)	(10,725.00)	(11,062.77)	(12,169.05)
NetIncome	SALESJAPAN	0.00	0.00	0.00	0.00
NetIncome	SALESKOREA	(33,956.82)	(10,725.00)	(11,062.77)	(12,169.05)
NetIncome	ESALESASIA	0.00	0.00	0.00	0.00
NetIncome	SALESBRAZIL	0.00	0.00	0.00	0.00
NetIncome	SALESADJ	0.00	0.00	0.00	0.00
NetIncome	ESALES	0.00	0.00	0.00	0.00
NetIncome	RD	0.00	0.00	0.00	0.00
NetIncome	RESDEVUS	0.00	0.00	0.00	0.00
NetIncome	RESDEVUK	0.00	0.00	0.00	0.00
NetIncome	RESDEVADJ	0.00	0.00	0.00	0.00
NetIncome	ERD	0.00	0.00	0.00	0.00

- The maximum parameter count for the SUM Excel function is 30, so reference cells of the SumParent cannot exceed 30.

- SumParent Use Case

This expansion option can generate input schedules showing the values of the parents automatically populated with the sum of the children, without the need to perform a send action.

- In the EvDRE sample report, the SumParent option is used for displaying the sum value of a parent member.

PARAMETER	EXPANSION 1	EXPANSION 2
ExpandIn	COL	ROW
Dimension	TIME	ENTITY
MemberSet	DEP	ALL
Option	Value	
SumParent	Y	

- Expected Result: In the report below, the sum of each of the parent members, which are DEP members of the 'Sales' entity member, displays automatically when you change the SumParent value to 'Y'.

	2006.JAN
SALES	=SUM(G15:G23,G29,G33:G35,EVDRE_Sheet1_A1)
SALESUS	=SUM(G16:G22,EVDRE_Sheet1_A1)
SALESUSNEAST	105067.975841875
SALESUSNCENTRAL	38146.76255125
SALESUSNWEST	23957.446796875
SALESUSSEAST	337343.00042
SALESUSSCENTRAL	210577.61490625
SALESUSSWEST	733669.34187875
ESALESUS	
SALESEUROPE	=SUM(G24:G28,EVDRE_Sheet1_A1)
SALESFRANCE	695027.271207265
SALESUK	
SALESITALY	226310625.017424
SALESSWITZER	3.4999999999999999E-09
ESALESEUROPE	
SALESASIA	=SUM(G30:G32,EVDRE_Sheet1_A1)
SALESJAPAN	
SALESKOREA	35175.5590000165
ESALESASIA	
SALESBRAZIL	
SALESADJ	
ESALES	
RD	=SUM(G37:G40,EVDRE_Sheet1_A1)

- **Design consideration:** If a row or column's member set property is set to 'SELF', an EvDRE error occurs.

5.7 Others

- 'QueryViewName' in the EvDRE option range is not supported.
- The Excel print range is not adjusted in an expansion. If the print area is set to D1:J17 as shown in the below report, the row dimension is Account and the memberset is 'SELF'.

	D	E	F	G	H	I	J
1							
2		App	FINANCE	Financial Application			
3		ACCOUNT	NetIncome	Net Income			
4		CATEGORY	ACTUAL	Actual from GL			
5		DATASRC	TOTALADJ	TOTALADJ			
6		ENTITY	Worldwide1	Consolidated Worldwide Functions			
7		INTCO	All_InterCo	All Inter-company			
8		MEASURES	PERIODIC				
9		RPTCURRENCY	USD	US Dollar			
10		TIME	2006.Q1	2006 Q1			
11							
12				2006.Q1	2006.JAN	2006.FEB	2006.MAR
13				2006 Q1	2006 JAN	2006 FEB	2006 MAR
14		NetIncome	Net Income	680,752,203.54	228,543,548.93	235,488,466.35	216,720,188.27
16							
17							

If you change the member to 'SELF,BAS' and expand, the print area is not adjusted.

	D	E	F	G	H	I	J
1							
2		App	FINANCE	Financial Application			
3		ACCOUNT	NetIncome	Net Income			
4		CATEGORY	ACTUAL	Actual from GL			
5		DATASRC	TOTALADJ	TOTALADJ			
6		ENTITY	Worldwide1	Consolidated Worldwide Functions			
7		INTCO	All_InterCo	All Inter-company			
8		MEASURES	PERIODIC				
9		RPTCURRENCY	USD	US Dollar			
10		TIME	2006.Q1	2006 Q1			
11							
12				2006.Q1	2006.JAN	2006.FEB	2006.MAR
13				2006 Q1	2006 JAN	2006 FEB	2006 MAR
14		NetIncome	Net Income	680,752,203.54	228,543,548.93	235,488,466.35	216,720,188.27
15		EXTSALES	External Sales	1,261,136,385.99	413,885,797.28	423,603,673.06	423,646,915.65
16		ICSALES	Inter-company sales	64,555,306.54	20,614,724.37	20,924,086.75	23,016,495.42
17		3RDPARTY	3rd Party Product				
18		RAWMATERIALS	Raw Materials	96,857,385.51	30,929,886.55	31,394,047.12	34,533,451.83
19		DIRECTLABOR	Direct Labor	113,299,448.11	36,180,401.26	36,723,355.64	40,395,691.21
20		OVERHEADCOSTS	Overhead Costs	32,280,831.55	10,309,962.18	10,462,318.75	11,508,550.62
21		ICCDST	Inter-company Cost of Sales	12,911,061.31	4,122,944.87	4,184,817.35	4,603,299.08
22		SMEXP	Sales & Marketing Expense	32,277,653.27	10,307,362.18	10,462,043.37	11,508,247.71
23		GAEXP	General & Administrative Expense	22,594,357.29	7,215,153.53	7,323,430.36	8,055,773.40
24		SALARIES.CAT1	Salaries - Category 1	56,698,270.14	18,105,703.13	18,377,412.86	20,215,154.15
25		SALARIES.CAT2	Salaries - Category 2	28,349,135.07	9,052,851.57	9,188,706.43	10,107,577.07
26		FRINGEBENEFIT	Fringe Benefit	19,850,388.36	6,342,989.91	6,432,094.50	7,075,303.95
27		COMMISSION	Commission	6,455,530.65	2,061,472.44	2,092,408.67	2,301,649.54
28		TRAVELT.CAT1	Travel & Ent Exp - Category 1	12,911,061.31	4,122,944.87	4,184,817.35	4,603,299.08

- o **Workaround:** When you set PageKeyRange and DataRange and hidden row as the print area, the print range is adjusted automatically. See the example below.

	G	H	I	J	K	L	M
1							
2	App	FINANCE	Financial Application				
3	ACCOUNT	NetIncome	Net Income				
4	CATEGORY	ACTUAL	Actual from GL				
5	DATASRC	TOTALADJ	TOTALADJ				
6	ENTITY	Worldwide1	Consolidated Worldwide Functions				
7	INTCO	All_InterCo	All Inter-company				
8	MEASURES	Periodic	Periodic				
9	RPTCURREN	USD	US Dollar				
10	TIME	2006.Q1	2006 Q1				
11							
12			2006.Q1	2006.JAN	2006.FEB	2006.MAR	
13			2006 Q1	2006 JAN	2006 FEB	2006 MAR	
14	NetIncome	Net Income	680,752,203.54	228,543,548.93	235,488,466.35	216,720,188.27	
15							

	G	H	I	J	K	L	M
1							
2	App	FINANCE	Financial Application				
3	ACCOUNT	NetIncome	Net Income				
4	CATEGORY	ACTUAL	Actual from GL				
5	DATASRC	TOTALADJ	TOTALADJ				
6	ENTITY	Worldwide1	Consolidated Worldwide Functions				
7	INTCO	All_InterCo	All Inter-company				
8	MEASURES	Periodic	Periodic				
9	RPTCURRENCY	USD	US Dollar				
10	TIME	2006.Q1	2006 Q1				
11							
12			2006.Q1	2006.JAN	2006.FEB	2006.MAR	
13			2006 Q1	2006 JAN	2006 FEB	2006 MAR	
14	PRETAXINCOME	Pretax Income	761,446,336.71	254,311,954.39	261,643,574.78	245,490,807.55	
15	OPERATINGINCOME	Operating Income	780,952,561.93	260,540,961.40	267,966,059.64	252,445,540.89	
16	GROSSMARGIN	Gross Margin	1,070,342,966.04	352,957,326.77	361,763,220.94	355,622,418.33	
17	TOTREV	Total Revenue	1,325,691,692.53	434,500,521.64	444,527,759.81	446,663,411.08	
18	EXTSALES	External Sales	1,261,136,385.99	413,885,797.28	423,603,673.06	423,646,915.65	
19	ICSALES	Inter-company sales	64,555,306.54	20,614,724.37	20,924,086.75	23,016,495.42	
20	COSTOFGOODS	Cost of Goods Sold	255,348,726.48	81,543,194.87	82,764,538.86	91,040,992.75	
21	3RDPARTY	3rd Party Product					
22	RAWMATERIALS	Raw Materials	96,857,385.51	30,929,886.55	31,394,047.12	34,533,451.83	
23	DIRECTLABOR	Direct Labor	113,299,448.11	36,180,401.26	36,723,355.64	40,395,691.21	
24	OVERHEADCOSTS	Overhead Costs	32,280,831.55	10,309,962.18	10,462,318.75	11,508,550.62	
25	ICCOST	Inter-company Cost of Sales	12,911,061.31	4,122,944.87	4,184,817.35	4,605,299.08	
26	TOTOPEXP	Total Operating Expense	289,390,404.12	92,416,365.37	93,797,161.31	103,176,877.44	
27	SMEXP	Sales & Marketing Expense	32,277,653.27	10,307,362.18	10,462,043.37	11,508,247.71	
28	GAEXP	General & Administrative Expense	22,594,357.29	7,215,153.53	7,323,430.36	8,055,773.40	
29	TOTALDEPTEXP	Total Dept Expense	189,329,678.98	60,463,542.60	61,364,826.85	67,501,309.53	
30	TOTALPERSONNELEXP	Total Personnel Exp	111,353,324.22	35,563,017.04	36,090,622.46	39,699,684.71	

- A cell within an EVDRE range is sent to the database only if the cell format is set as 'General'; it is not sent if the cell format is set as 'Date' type.
- EVDRE uses a clipboard in native Excel when you refresh or expand. Data saved in the clipboard before refreshing or expanding is moved to a buffer. To use the previous clipboard data, check where the previous data is located.

- Spread across worksheet
 - Comments in the first sheet of workbook with the 'Spread across worksheet' option are also spread to the other sheets in the workbook. Any changes (same as comments.) in the first sheet are applied to the other sheets.
 - When you use the MemberSet property 'SELF,DEP' with 'Spread across worksheet' in the EvDRE wizard, the worksheet does not spread data because only the 'SELF' property remains.
 - Spreading a dimension member is hard-coded in the PageKeyRange, while the other member is taken from =EvCVW(). When you change a dimension member in the current view, the spread worksheet member does not change the other member. To change the current view in a spread sheet, change a value in the PageKeyRange.
 - When using 'Spread across sheet', use only one EvDRE.
 - 'Spread across sheet' does not support multiple members in a nested sheet.
 - 'Spread across sheet' does not support the before or after range.
 - The Insert parameter for the SHEET expansion is ignored.

- 'INDENTLEVEL' of advanced formatting is ignored if the parameter is applied to the KeyRange.

CRITERIA	EVALUATE IN	FORMAT	USE	PARAMETERS	APPLY TO
DEFAULT		12,345.00			DATA
DEFAULT			INDENTLEVEL		KEY
DEFAULT					HEADING
INPUT			LOCK		DATA
CALC		12,345.00			DATA

- Chart issue
 - A Chart-made EvDRE report may show incorrect data when used with the before or after range.
 - A Chart-made EvDRE report show incorrect data when expanded members are increased or decreased.

- The 'Insert' parameter does not work in an Expansion Range when more than 8 dimensions are set on one axis.

PARAMETER	EXPANSION 1	EXPANSION 2	EXPANSION 3	EXPANSION 4	EXPANSION 5	EXPANSION 6	EXPANSION 7	EXPANSION 8	EXPANSION 9
ExpandIn	COL	ROW	ROW	ROW	ROW	ROW	ROW	ROW	ROW
Dimension	PERIODE	COMPTE_PLC	CAI	CANAL	CATEGORIE	DESTINATION	ENTITE_OFF	MEASURES	NATURE
MemberSet	SELF	SELF	SELF	SELF	SELF	SELF	SELF	SELF	SELF
BeforeRange									
AfterRange									
Suppress									
Insert					Y				