

# Asset Calendar Weighting of Periods Changes- Depreciation Calculations



## Applies to:

Manufacturing, Business Process Expert. For more information, visit the [Manufacturing homepage](#).

## Summary

This article explains the change of Asset calendar and its period weights in the middle of the month and its impact on the depreciation calculation process.

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## Author Bio

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## Introduction

Define the weighting of the distribution of the planned annual depreciation to the individual periods in the fiscal year. You can enter a relative weight for each fiscal year version and each fiscal year. The posting period receives a depreciation amount based on its relative weight in relation to the total of all the weights. This makes it possible to distribute according to the number of days or weeks per period. The weighted distribution affects the periodic posting of depreciation, as well as the determination of proportional value adjustments for retirements and transfers.

A calendar year will have 52 weeks. So each quarter consists 13 (52/4) weeks. 4+4+5=13. 3 Months in the quarter are apportioned 4-4-5. For 24 calendar periods the Weight Proportions -Relative weight of the posting period consists 104 periods. (Since the system do not accept the fractions like 2.5).

## Business Requirement

Client is US based company and it follows depreciation legislation which requires posting the planned annual depreciation weighted differently to different periods as per 4-4-5 rule. The client is acquired by Asian company which follows monthly depreciation. The depreciation to be calculated as per 4-4-5 rule till the date of acquisition which happened in the middle of the week in the month ( sep 18) and from that date monthly depreciation is to be carried out.

The Asset Calendar consists the weighting of periods as follows:

Change View "Asset Accounting: Weighting of periods": Overview

Change View "Asset Accounting: Weighting of periods": Overview

FI.Year Variant: 24 24 Period Calendar for Assets

Valid to fiscal year	Period	Wt.prop.
2007	1	4
2007	2	4
2007	3	4
2007	4	4
2007	5	5
2007	6	5
2007	7	4
2007	8	4
2007	9	4
2007	10	4
2007	11	5
2007	12	5
2007	13	4

Position... Entry 25 of 360

The Depreciation report as shown below:

**Depreciation Simulation** **SAP**

Depreciation Simulation

Depreciation Simulation - 01 Book deprec. at

Mon	Crcy	BV at FY begin	Depr. 01/2009	Depr. 02/2009	Depr. 03/2009	Depr. 04/2009	Depr. 05/2009	Depr. 06/2009
*	USD	141,062.00	5,011.00-	5,011.00-	6,262.00-	5,012.00-	5,011.00-	6,262.00-
	USD	335.00	22.00-	22.00-	28.00-	22.00-	22.00-	28.00-
*	USD	335.00	22.00-	22.00-	28.00-	22.00-	22.00-	28.00-
SMA	USD	18,126.00	644.00-	643.00-	804.00-	644.00-	644.00-	804.00-
SMA	USD	18,126.00	644.00-	643.00-	804.00-	644.00-	644.00-	804.00-
SMA	USD	18,126.00	644.00-	643.00-	804.00-	644.00-	644.00-	804.00-
TER, F...	USD	21,482.00	763.00-	762.00-	954.00-	762.00-	763.00-	953.00-
TER, F...	USD	21,482.00	763.00-	762.00-	954.00-	762.00-	763.00-	953.00-
TER, F...	USD	21,482.00	763.00-	762.00-	954.00-	762.00-	763.00-	953.00-
LEAK	USD	2,819.00	100.00-	100.00-	125.00-	100.00-	100.00-	126.00-
NT SY...	USD	215.00	8.00-	7.00-	10.00-	7.00-	8.00-	10.00-
R, HEL...	USD	262.00	9.00-	10.00-	11.00-	10.00-	9.00-	11.00-
YSTEM	USD	9,398.00	334.00-	333.00-	417.00-	334.00-	334.00-	417.00-
PECTI...	USD	73,845.00	2,622.00-	2,621.00-	3,278.00-	2,621.00-	2,622.00-	3,277.00-
YSTEM...	USD	9,398.00	334.00-	333.00-	417.00-	334.00-	334.00-	417.00-
G SYS...	USD	382.00	14.00-	13.00-	17.00-	14.00-	13.00-	17.00-
ERTIC...	USD	54,377.00	1,931.00-	1,930.00-	2,413.00-	1,931.00-	1,930.00-	2,414.00-
ERTIC...	USD	59,747.00	2,121.00-	2,121.00-	2,652.00-	2,121.00-	2,121.00-	2,652.00-
ERTIC...	USD	147,690.00	5,243.00-	5,244.00-	6,554.00-	5,244.00-	5,243.00-	6,554.00-
ROLLER	USD	8,727.00	310.00-	310.00-	387.00-	310.00-	310.00-	387.00-
ERTIC...	USD	50,349.00	1,788.00-	1,787.00-	2,234.00-	1,788.00-	1,788.00-	2,234.00-
ERTIC...	USD	51,020.00	1,811.00-	1,812.00-	2,264.00-	1,811.00-	1,812.00-	2,264.00-
ERTIC...	USD	51,020.00	1,811.00-	1,812.00-	2,264.00-	1,811.00-	1,812.00-	2,264.00-
TER	USD	1,635.31-	148.00-	148.00-	184.00-	148.00-	148.00-	0.00
TER	USD	1,713.82-	155.00-	155.00-	194.00-	154.00-	155.00-	0.00
TER	USD	4,498.00	160.00-	159.00-	200.00-	160.00-	159.00-	200.00-
SYST...	USD	281,953.00	10,010.00-	10,010.00-	12,513.00-	10,010.00-	10,010.00-	12,513.00-
UMINUM	USD	114,124.00	4,052.00-	4,051.00-	5,065.00-	4,052.00-	4,052.00-	5,064.00-

Here you can find the asset values distributed as per 4-4-5 methodology.

Now from the September 18, monthly depreciation is to be carried out.

**Solution**

If we set up 4-4-5 method till September and make the changes after September then the depreciation is calculating wrongly, its giving a variation of week. The amounts are incorrect. So the weeks are to be converted into days.

**Weighting of Periods**

The proposed changes for SAP Fiscal year 2009(Calendar Year2008)

Fiscal year	Current		Proposed	
	Period	Wt prop	Period	Wt prop
2009	1	4	1	14
2009	2	4	2	14
2009	3	4	3	14
2009	4	4	4	14
2009	5	5	5	14
2009	6	5	6	21
2009	7	4	7	14

2009	8	4	8	14
2009	9	4	9	14
2009	10	4	10	14
2009	11	5	11	14
2009	12	5	12	21
2009	13	4	13	14
2009	14	4	14	14
2009	15	4	15	14
2009	16	4	16	14
2009	17	5	17	14
2009	18	5	18	21
2009	19	4	19	15
2009	20	4	20	16
2009	21	4	21	15
2009	22	4	22	15
2009	23	5	23	15
2009	24	5	24	16

Now change the weighting proportion of depreciation periods into the days as follows:

**Change View "Asset Accounting: Weighting of periods": Overview**

Change View "Asset Accounting: Weighting of periods": Overview

New Entries

Fi.Year Variant  24 Period Calendar for Assets

Valid to fiscal year	Period	Wt.prop.	
2009	12	21	▲
2009	13	14	▼
2009	14	14	
2009	15	20	
2009	16	35	
2009	17	7	
2009	18	5	
2009	19	15	
2009	20	16	
2009	21	15	
2009	22	15	
2009	23	15	▲
2009	24	16	▼

Now you check the depreciation in the October, November and December months. They are depreciated monthly as per number of days in the month.

**Depreciation Simulation** **SAP**

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Depr. 05/2009	Depr. 06/2009	Depr. 07/2009	Depr. 08/2009	Depr. 09/2009	Depr. 10/2009	Depr. 11/2009	Depr. 12/2009
834.00-	1,043.00-	834.00-	1,532.00-	353.00-	911.00-	881.00-	911.00-
834.00-	1,043.00-	834.00-	1,532.00-	353.00-	911.00-	881.00-	911.00-
88.00-	110.00-	88.00-	162.00-	37.00-	97.00-	93.00-	96.00-
2.00-	3.00-	2.00-	4.00-	1.00-	2.00-	3.00-	2.00-
90.00-	114.00-	90.00-	167.00-	38.00-	99.00-	95.00-	99.00-
7.00-	9.00-	8.00-	13.00-	3.00-	9.00-	7.00-	8.00-
1,191.00-	1,490.00-	1,191.00-	2,188.00-	504.00-	1,302.00-	1,259.00-	1,302.00-
1,240.00-	1,549.00-	1,239.00-	2,275.00-	524.00-	1,354.00-	1,310.00-	1,353.00-
4,290.00-	5,362.00-	4,291.00-	7,876.00-	1,814.00-	4,685.00-	4,535.00-	4,685.00-
358.00-	447.00-	357.00-	657.00-	151.00-	390.00-	378.00-	391.00-
4,528.00-	5,661.00-	4,528.00-	8,314.00-	1,915.00-	4,945.00-	4,787.00-	4,945.00-
286.00-	358.00-	286.00-	525.00-	121.00-	312.00-	302.00-	313.00-
68.00-	84.00-	68.00-	124.00-	29.00-	73.00-	72.00-	74.00-
4.00-	4.00-	4.00-	6.00-	2.00-	4.00-	3.00-	4.00-
619.00-	775.00-	620.00-	1,138.00-	262.00-	676.00-	655.00-	677.00-
95.00-	120.00-	95.00-	175.00-	40.00-	104.00-	101.00-	104.00-
18.00-	23.00-	19.00-	33.00-	8.00-	20.00-	20.00-	20.00-
21.00-	26.00-	21.00-	39.00-	9.00-	23.00-	22.00-	23.00-
10.00-	13.00-	11.00-	19.00-	4.00-	12.00-	11.00-	11.00-
10.00-	13.00-	11.00-	19.00-	4.00-	12.00-	11.00-	11.00-
10.00-	13.00-	11.00-	19.00-	4.00-	12.00-	11.00-	11.00-
10.00-	13.00-	11.00-	19.00-	4.00-	12.00-	11.00-	11.00-
69.00-	86.00-	69.00-	127.00-	30.00-	75.00-	73.00-	76.00-
548.00-	685.00-	548.00-	1,007.00-	231.00-	599.00-	579.00-	599.00-
2.00-	3.00-	2.00-	4.00-	1.00-	2.00-	3.00-	2.00-
36.00-	44.00-	36.00-	66.00-	15.00-	39.00-	38.00-	39.00-
17.00-	21.00-	17.00-	31.00-	7.00-	19.00-	18.00-	18.00-
3.00-	4.00-	3.00-	6.00-	2.00-	3.00-	3.00-	4.00-
34.00-	44.00-	34.00-	64.00-	14.00-	38.00-	36.00-	38.00-

The depreciation is calculated as per the requirements.

## Related Content

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