

# UOM Conversion in SAP Planning and Consolidation



## Applies to:

Planning and Consolidation

## Summary

The document lists out the salient points to be observed while creating a Unit of Measure conversion in SAP Planning and Consolidation.

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## Overview

Unit of measure conversion is a key requirement that can be needed in various planning applications. The requirement can be to plan the product quantities in a specific UOM for e.g. Kg and to see the values in Pounds

## Dimensions settings

1. A Dimension to record Product to be created.

**Structure of Dimension: PROD**

Type: User-defined - U3

Allow Member Formulas

**Properties**

Add Remove

ID	Name	Number of Characters
1 SCALING	Scaling	1
2 UM1	UM1	2

2. A dimension to record Units of measures

**Structure of Dimension: UOM**

Type: Account - A

Referential Integrity for: RATETYPE  ⓘ

Allow Member Formulas

**Properties**

Add Remove

ID	Name	Number of Characters
1 ACCTYPE	Account type	3
2 RATETYPE	Rate type	32
3 SCALING	Scaling	1

## UOM application settings

An application would be needed to record the conversion rates. Key dimensions for the application would be the UOM dimension, a global entity, time and category

Model: UOMA			
Change Type			
Dimensions in the model			
Add / Remove			
ID	Description	Type	Se
CATEGORY	Category	Category - C	
R_ENTITY	Rate Entity	Entity - E	
TIME	Time	Time - T	
UOM	UOM	Account - A	

The conversion rates are to be maintained

Save Data Refresh Comments(0) Work		
UOM	Time	
	Jan 2006	
Pounds		4
KG		1

## Script maintenance

A script logic would be needed to carry out the conversion. An example of the script to convert from the entered uom to unit of measure maintained in the master data is given below

```
*XDIM_MEMBERSET CATEGORY = ACTUAL
*XDIM_MEMBERSET ENTITY = UK
*XDIM_MEMBERSET PRODUCT = ProductA, ProductB, ProductC
*XDIM_MEMBERSET TIME = 2006.01
*XDIM_MEMBERSET UOM = KG

*LOOKUP UOMA
*DIM UMT:UOM = "PD"
*DIM TIME = "2006.01"
*DIM R_ENTITY = "Global"
*ENDLOOKUP
*WHEN UOM
*IS "KG"
*REC(EXPRESSION=%VALUE%*LOOKUP(UMT), UOM = "PD" )
*ENDWHEN
```

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