

# SAP Business Planning and Consolidation for Net Weaver – Work Status Illustrated



## Applies to:

SAP Business Planning and Consolidation for Net Weaver 7.5. For more information, visit the [Enterprise Performance Management homepage](#)

## Summary

This white paper illustrates some of cases while setting up work status. It basically shows how work status behaves when they are set at different levels of controlling dimension hierarchy. It also speaks about the priorities of the error message that is thrown by the work status setting.

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## Author Bio



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## 1. Objective

This document illustrates some of the rule concepts that are followed in work status. It basically explains how the work status works in different scenarios. Guidance for basics of Work Status like creating work state, setting owner dimension, setting the order of work status etc would not be covered in this document.

The illustration considers a 3 level hierarchy of Entity dimension and how the work status acts in case of different permutation and combination of Owner-Manager nodes.

## 2. Basic concepts of Work Status

Work Status is ability of a customer to lock a 'slice' or 'region' of data in an application.

Below are some of the basic terms that are used in Work status. For more details on work status, kindly refer to links provided [in related content](#) of this document.

**Work Status:** Activity of locking down regions of data.

**Work State:** Actual state of data.

**Owner:** User ID which will be responsible for a data region

**Manager:** Owner of parent member which will set the status of its decedents.

## 3. Illustration Set Up

This section explains all the pre requisite set ups required to illustrate the cases of work status.

Below are the work states with which we will be illustrating different scenarios in this document.

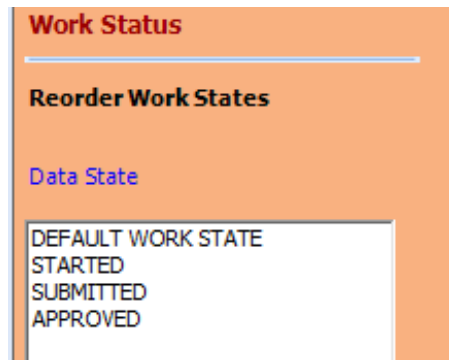
Work State	DM	JRN	MAN	COMM	DOCS	ControlledBy
DEFAULT WO	All	All	All	All	All	Both
STARTED	All	Owner	Owner	Owner	Owner	Mgr
SUBMITTED	Mgr	Mgr	Mgr	Mgr	Mgr	Owner
APPROVED	Locked	Locked	Locked	Locked	Locked	Mgr

Work Status is driven by following dimensions in the application:

- Entity - Owner dimension
- Category
- Time

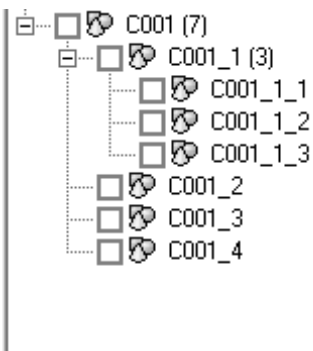
AppSet Dim Name	Work State
BP	No
CATEGORY	Yes
COMPETENCY	No
COSTOBJECT	No
CUSTACCT	No
EMPCATEGORY	No
ENTITY	Owner
EXECLOCATION	No
INPUTCURRENCY	No
INTCO	No
OFFERING	No
P_ACCT	No
P_DATASRC	No
TIME	Yes

Below is the order of the work status set for all the scenarios in this document.

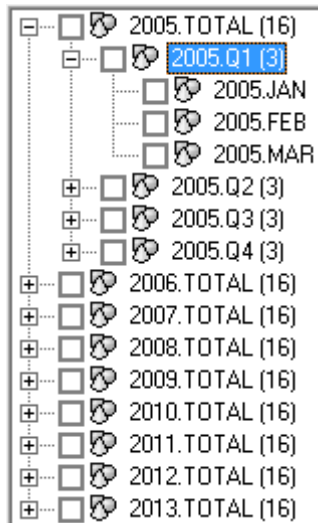


Please note that the result of the illustrated scenarios might change when the work status order changes.

Below is the Hierarchy maintained for the Entity dimension.



Below is the Hierarchy maintained for the Time dimension.



Below is the screen shot shows the “Work status” setting in BPC Web interface.

✖

### Work Status Options - Step 1 of 2

**What is the work status data region?**

The active CV  
 Another CV

Dimension	Member
CATEGORY	PLAN
ENTITY	CG1
TIME	2005.Q1

➔

With all the above master data and from the below sections we will now try to understand how work status works when the parent and owner are set at different levels of hierarchy.

#### 4. Error messages in BPC Work Status

Error Message	Reason
controlled by rule has been violated	If the scenario is one of the below <ul style="list-style-type: none"> <li>• If the user is acting as an Owner, and they select a work status controlled by “Manager”</li> <li>• If the user is acting as an Manager, and they select a work status controlled by “Owner”</li> </ul>
Cannot include children when the owner dimension is a base member	If the controlling dimension you have selected is a base member.
Bottom up rule has been violated	If the work status that is being set for parent is higher than the work status that is set for the child.
user is not a owner/manager, work status cannot be updated	If BPC logged in user is not setup as a owner in the Owner property of the controlling dimension

## 5. Scenarios

In each of the below scenarios, work status is set for 2 options:

1. When option “Set Children” is selected - represented in first table.
2. When option “Set Children” is not selected - represented in second table.

### I. Top most node (C001) is owner

	A	C	H
1	ID	PARENTH1	OWNER
26	C001		DOMAINSWETHAN
27	C001_1	C001	
28	C001_2	C001	
29	C001_3	C001	
30	C001_4	C001	
31	C001_1_1	C001_1	
32	C001_1_2	C001_1	
33	C001_1_3	C001_1	
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			

In the above case, C001 acts as Manager in addition to Owner as it is the top most node of the hierarchy having no parent but only children.

Entity	Time	Status	Result when ‘Set Children’ is selected	Comments
C001	2005	Approved	Lock is set for all the children of C001 across all the months of 2005 (Including children of C001_1 )	
C001	2005	Default	Lock is set for all the children of C001 across all the months of 2005. (Including children of C001_1)	
C001	2005	Started	Lock is set for all the children of C001 across all the months of 2005. (Including children of C001_1)	
C001	2005	Submitted	<b>Error message – “controlled by rule has been violated”</b>	Children of C001 have no owner set. Thus when owner/Manager of C001 tries to set the work

				state of children, it throws error.
C001_2	2005	Approved	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member (Leaf node).
C001_2	2005	Default	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member (Leaf node).
C001_2	2005	Started	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member (Leaf node).
C001_2	2005	Submitted	Error message – “controlled by rule has been violated”	C001_2 has no owner set. Thus when its Manager tries to set its work state, it throws error.
C001_1	2005	Approved	Lock is set for all the children of C001_1 across all the months of 2005.	
C001_1	2005	Started	Lock is set for all the children of C001_1 across all the months of 2005.	
C001_1	2005	Submitted	Error message – “controlled by rule has been violated”	C001_1 has no owner set. Thus when its Manager tries to set its work state, it throws error.
C001_1	2005	Default	Lock is set for all the children of C001_1 across all the months of 2005.	
C001_1_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.
C001_1_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.
C001_1_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.
C001_1_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.



Entity	Time	Status	Result when 'Set Children' is not selected	Comments
C001	2005	Approved	Error message – “Bottom up rule has been violated”	The work status of all the children of C001 is not set. It is “Default” by default. Thus “Approved” being higher status than “Default”, it throws error.
C001	2005	Default	Lock is set for C001 across all the months of 2005.	
C001	2005	Started	Error message – “Bottom up rule has been violated”	The work status of all the children of C001 is not set. It is “Default” by default. Thus “Started” being higher status than “Default”, it throws error.
C001	2005	Submitted	Error message – “controlled by rule has been violated”	User is acting as “Manager” here. Also, “controlled by rule has been violated” is over riding the error message “Bottom up rule has been violated”
C001_2	2005	Approved	Lock is set for C001_2 across all the months of 2005.	
C001_2	2005	Default	Lock is set for C001_2 across all the months of 2005.	
C001_2	2005	Started	Lock is set for C001_2 across all the months of 2005.	
C001_2	2005	Submitted	Error message – “controlled by rule has been violated”	User is acting as “Manager” here.
C001_1	2005	Approved	Error message – “Bottom up rule has been violated”	The work status of all the children of C001_1 is not set. It is “Default” by default. Thus “Approved” being higher status than “Default”, it throws error.
C001_1	2005	Started	Error message – “Bottom up rule has been violated”	The work status of all the children of C001_1 is not set. It is “Default” by default. Thus “Started” being higher status than “Default”, it throws error.
C001_1	2005	Submitted	Error message – “controlled by rule has been violated”	User is acting as “Manager” here. Also, “controlled by rule has been violated” is over riding the error message “Bottom up rule has been violated”
C001_1	2005	Default	Lock is set for C001_1 across all the months of 2005.	
C001_1_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or

				manager.
C001_1_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.
C001_1_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.
C001_1_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	As C001_1_1 is at 3 <sup>rd</sup> level of hierarchy from C001, the user does not act as either owner or manager.

## II. C001\_2 is owner

ID	PARENTH1	OWNER
C001		
C001_1	C001	
C001_2	C001	DOMAINSWETHAN
C001_3	C001	
C001_4	C001	
C001_1_1	C001_1	
C001_1_2	C001_1	
C001_1_3	C001_1	

In the above scenario, C001\_2 acts as only “owner”. There is no manager set for this member.

Entity	Time	Status	Result when ‘Set Children’ is selected	Comments
C001	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Submitted	Error message – “user is not a	As C001 is at 1st level of

			owner/manager, work status cannot be updated”	hierarchy, the user does not act as either owner or manager.
C001_2	2005	Approved	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member.
C001_2	2005	Default	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member.
C001_2	2005	Started	Error message – “Cannot include children when the owner dimension is a base member”	“Include children” is not valid for a base member.
C001_2	2005	Submitted	Error message – “controlled by rule has been violated”	
C001_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager

Entity	Time	Status	Result when 'Set Children' is not selected	Comments
C001	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	As C001 is at 1st level of hierarchy, the user does not act as either owner or manager.
C001_2	2005	Approved	Error message – “controlled by rule has been violated”	User acts as owner
C001_2	2005	Default	Lock is set for C001_2 across all the months of 2005.	
C001_2	2005	Started	Error message – “controlled by rule has been violated”	User acts as owner
C001_2	2005	Submitted	Error message – “controlled by rule has been violated”	
C001_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1_1	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager

C001_1_1	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
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### III. C001\_1 is owner

ID	PARENTH1	OWNER
C001		
C001_1	C001	DOMAIN\SWETHAN
C001_2	C001	
C001_3	C001	
C001_4	C001	
C001_1_1	C001_1	
C001_1_2	C001_1	
C001_1_3	C001_1	

In this case, C001\_1 acts as only owner. There is no manager set for this member. But it acts as manager for its children nodes.

Entity	Time	Status	Result when ‘Set Children’ is selected	Comments
C001	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager

			cannot be updated”	
C001_2	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Approved	Lock is set for C001_1_1, C001_1_2 and C001_1_3 across all the months of 2005.	
C001_1	2005	Started	Lock is set for C001_1_1, C001_1_2 and C001_1_3 across all the months of 2005.	
C001_1	2005	Submitted	Error message – “controlled by rule has been violated”	User is manager for the children of C001_1. But “Submitted” is to be driven by “Owner”.
C001_1	2005	Default	Lock is set for C001_1_1, C001_1_2 and C001_1_3 across all the months of 2005.	
C001_1_1	2005	Approved	Error message – “Cannot include children when the owner dimension is a base member”	C001_1_1 does not have children
C001_1_1	2005	Started	Error message – “Cannot include children when the owner dimension is a base member”	C001_1_1 does not have children
C001_1_1	2005	Submitted	Error message – “controlled by rule has been violated”	“Submitted” is to be driven by Owner. But user here is manager.
C001_1_1	2005	Default	Error message – “Cannot include children when the owner dimension is a base member”	C001_1_1 does not have children

Entity	Time	Status	Result when ‘Set Children’ is not selected	Comments
C001	2005	Approved	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Approved	Error message – “user is not a	the user does not act as either

			owner/manager, work status cannot be updated”	owner or manager
C001_2	2005	Default	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Started	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_2	2005	Submitted	Error message – “user is not a owner/manager, work status cannot be updated”	the user does not act as either owner or manager
C001_1	2005	Approved	Error message – “controlled by rule has been violated”	“Approved” is to be driven by Manager. But user here is owner.
C001_1	2005	Started	Error message – “controlled by rule has been violated”	“Started” is to be driven by Manager. But user here is owner.
C001_1	2005	Submitted	Error message – “controlled by rule has been violated”	
C001_1	2005	Default	Lock is set for C001_1 across all the months of 2005.	
C001_1_1	2005	Approved	Lock is set for C001_1_1 across all the months of 2005.	
C001_1_1	2005	Started	Lock is set for C001_1_1 across all the months of 2005.	
C001_1_1	2005	Submitted	Error message – “controlled by rule has been violated”	User acts as manager here.
C001_1_1	2005	Default	Lock is set for C001_1_1 across all the months of 2005.	

## Related Content

[http://help.sap.com/saphelp\\_bpc70sp02/helpdata/en/a1/532226947C49A5B2E2BD32450CB2D1/frameset.htm](http://help.sap.com/saphelp_bpc70sp02/helpdata/en/a1/532226947C49A5B2E2BD32450CB2D1/frameset.htm)



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