

ASSIGNING MULTIPLE ACTIVITY CODE VALUES TO SINGLE ACTIVITIES IN P6

1 Introduction

Some scheduling products like Powerproject allow Multiple Code Values to be assigned to an activity. This is useful for example when you have:

- > Two people responsible for an activity, or
- Your building levels are represented by an Activity Code, but you have a column and you wish to assign Level 1, Level 2 and Level 3 to the column erection activity,

But in P6 you may only assign one Code Value to a Code thus only person who is represented as a single code value or one building level may be assigned to a Code.

This paper will explore the workaround options to resolve this issue in P6.

2 Aim

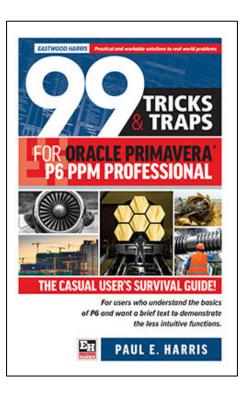
The aim of this paper is to outline methods to mimic the assignment of multiple Codes to an activity in P6 and demonstrate how the options work with:

- > Filters and
- Group and Sort

3 List of options

The following Summarizes the options I have discovered, say for assigning multiple responsibilities to an activity:

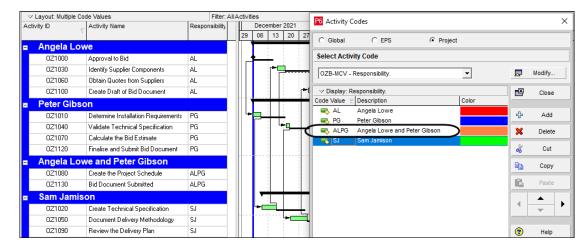
- > Create an Activity Code and Activity Code Values for each person, plus creating additional Activity Code Values representing two or more people,
- Create multiple Activity Codes, one for each person with one Activity Code Value for each person in each Activity Code,
- Use a User Defined Field.
- Using Roles or Resources.



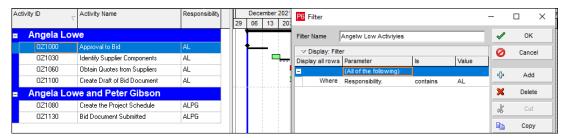


4 Create an Activity Code and Activity Code Values for each person, plus create additional Activity Code Values representing two or more people

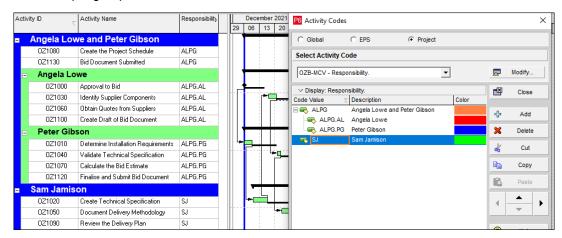
The picture below shows how an Activity Code Value may be made for two people and then the activities grouped on the Activity Code:



A filter would be made as per the picture below:



Using a hierarchy of Activity Code Values results in a view as per the picture below which does not allow for multiple groups:



This option works as long as you are content with:

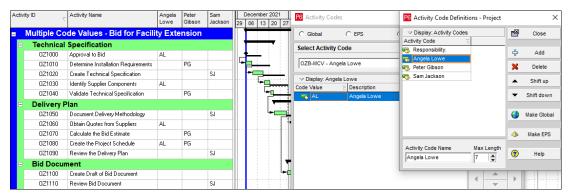
- Creating additional Codes for each group, and
- Seeing Multiple bands for each person when two people are assigned to an activity.

NOTE: The Activity Code title has a full stop at the end, "Responsibility." so it is not confused with the P6 built in field titled "Responsibility".

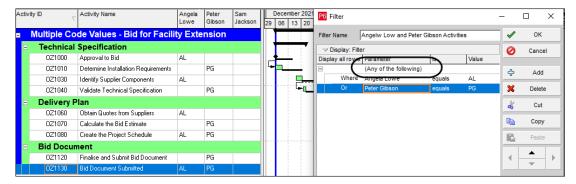


5 Create multiple Activity Codes, one for each person with one Activity Code Value for each person in each Activity Code

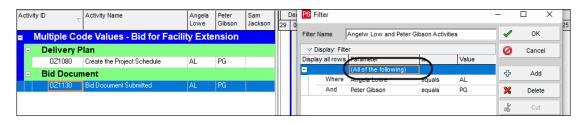
Creating an Activity Code for each person would result in the picture below:



With this option you have the option of Any of the following:

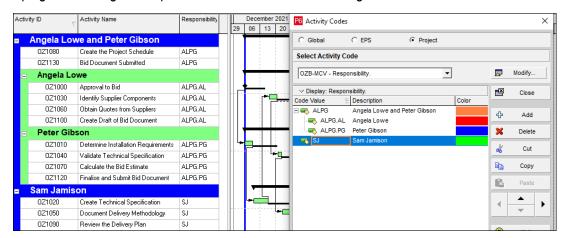


Or All of the following:



This filtering option could also be mimicked in the first example.

Grouping and Sorting as the picture below does not result in a good outcome:



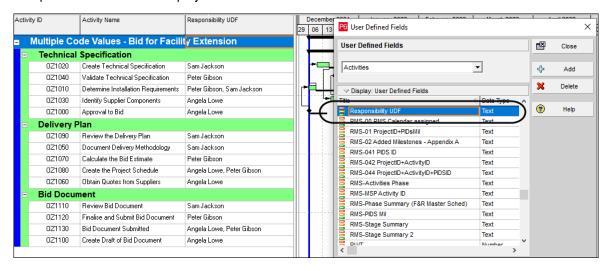


6 Use a User Defined Field

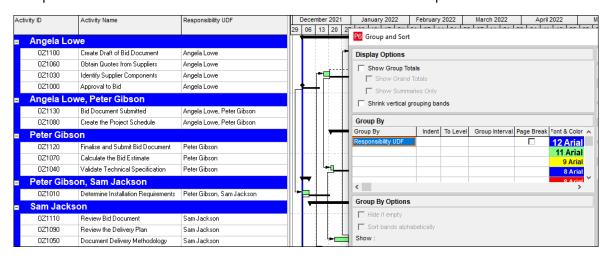
The result with a UDF is basically the same as using one Activity Code with multiple Code Values, but:

- This method is prone to typing errors.
- ➤ There is a limit of 256 characters so there becomes a limitation to the number of people that may be represented with this method.

The persons full name is displayed in the column:



Group and sort results in no control in the order as the bands will be in alphabetical order:



Filtering will be the same as with Codes.



7 Using Roles or Resources

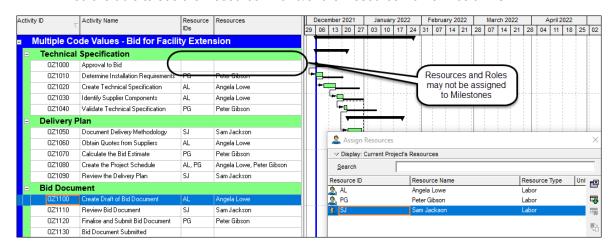
Resourcing is one of the few data items that allows multiple attributes to be assigned.

The list of fields that may have multiples attributes assigned are:

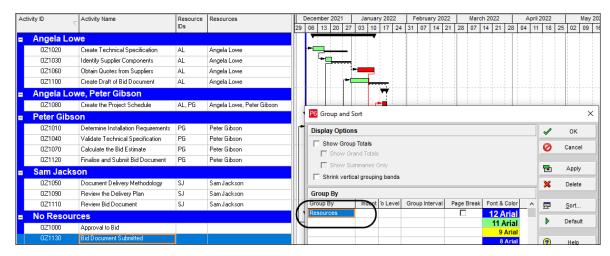
- > Roles
- > Resources
- > Expenses but these may not be Grouped or filtered on in the Activity View
- Risks but these may not be Grouped or filtered on in the Activity View
- Steps these would be a little impractical to use.
- Documents these would be a little impractical to use.

I will demonstrate the results with resources but roles would have a similar outcome.

- The first issue you will encounter is that you may not assign resources to Milestones, but
- You are able to see the Resource ID and/or the Resource Name in columns:

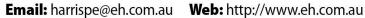


Grouping and Sorting by Resource has the same issue as using Activity Codes as P6 will not display a resource bar in the Activities View:



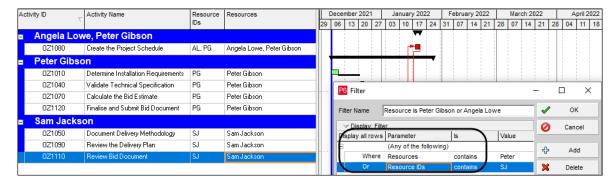
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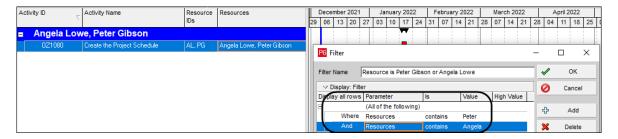


Filtering may be made on Resources and/or Resources ID and

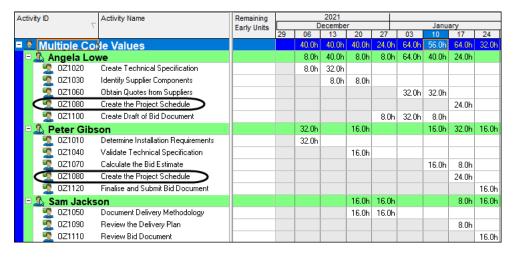


The All of the following will only operate when:

- "Contains" is used in the filter specification and
- both parameters are either Resources or Resource ID but not a mixture:



The main advantage of this method is that in the Resource Assignments workspace when two resources are assigned to an activity then the activity is displayed twice:



But of course the work and costs will be meaningless, but these could be zeroed out

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8 Summary

These are my thoughts on the method of assigning multiple codes to activities and none are ideal. I would welcome any feedback and I will edit this paper in line with new information.

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2 July 2021



