

CALCULATE THE NON WORK DURATION OF P6 ACTIVITIES

by Paul E Harris

1 Introduction

I was recently asked how if it was possible to calculate the non work duration of a P6 activities.

I found it was not as simple as I thought it would be but I have created a Global Change that will achieve this.

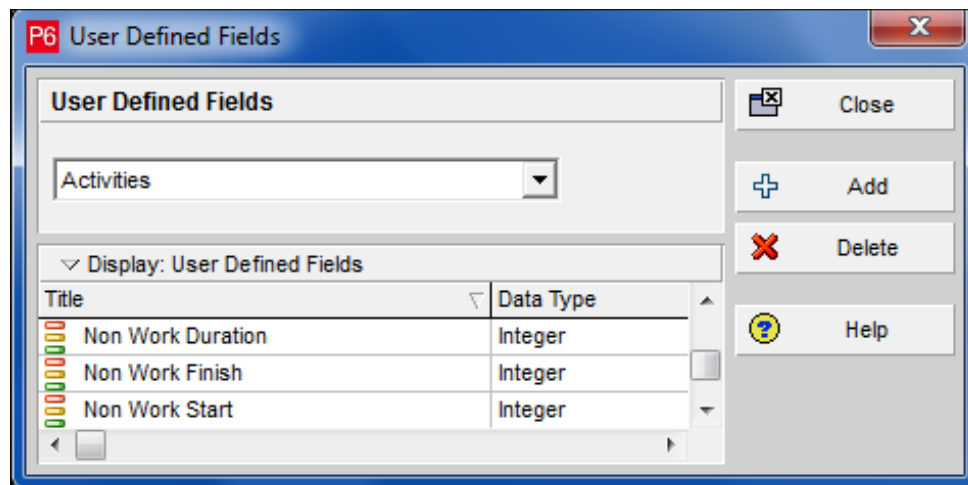
2 Process

The process to operate requires:

- Three User Defined Fields and
- A Global Change.

3 Three User Defined Fields

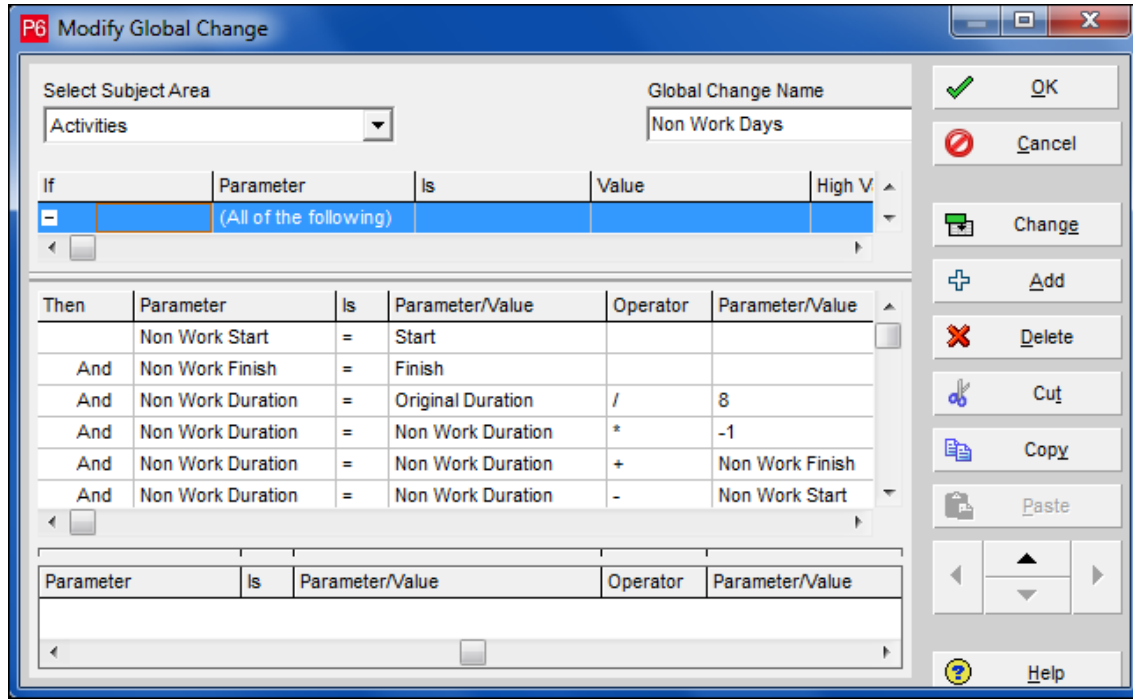
The following UDFs were created:



NOTE: Integers were used to prevent non round durations.

4 Global Change

The following Global Change was created:



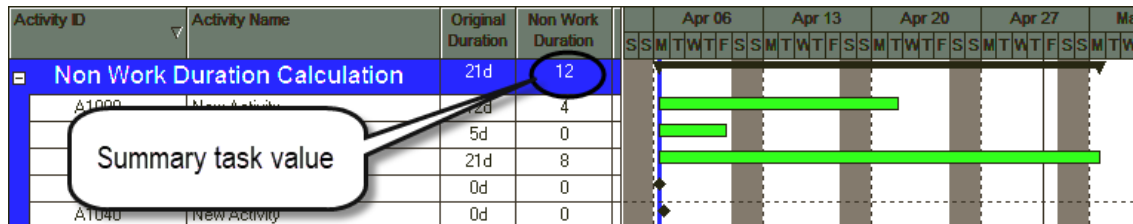
If	Parameter	Is	Value	High V
(All of the following)				

Then	Parameter	Is	Parameter/Value	Operator	Parameter/Value
	Non Work Start	=	Start		
And	Non Work Finish	=	Finish		
And	Non Work Duration	=	Original Duration	/	8
And	Non Work Duration	=	Non Work Duration	*	-1
And	Non Work Duration	=	Non Work Duration	+	Non Work Finish
And	Non Work Duration	=	Non Work Duration	-	Non Work Start

NOTE: The Original Durations were divided by 8 to convert the durations from hours to days.

5 Result of the Global Change

The running of the Global Change gave the following result:



NOTE 1: The summary bar Non Work Duration of 12 is a sum of the values below and users should consider unchecking **Show Group Totals** in the **Group and Sort** form so this is not displayed.

NOTE 2: This Global Change will only work when all the calendars are on a 8 hour per day. If there are calendars with different hours per day then one solution is to create a Global change for each calendar.



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Paul E Harris

Director Eastwood Harris Pty Ltd

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