Trimble

Viewpoint
Jobpac Connect™

Time Phased Planning Function Guide Version: 1.0

Trimble. Construction

Document Control Table

Prepared by	Damien Bourke
Approved or authorised by	
Release date	31/12/2021
Version	1.0
Commercial in Confidence	

Change History

Version	Date	Author	Description of Changes
1.0	31/12/2021	DMB	Initial Release

Table of Contents

Overview of Time Phased Planning

Introduction

The time phased planning module will allow the business to implement Time Phased Planning of Work in Hand at cost Centre level within their projects.

Time phased Budgeting can be done at the Cost Centre level

Time phased forecasting at cost centre level consists of the user breaking up the CWIP to go for each cost centre into monthly forecasts, based on start and finish dates. This is then amalgamated at the project level to provide monthly WIH and Payments at the project level

This function must be turned on at the database level within a data area for use of Time Phased Planning.

For consultants this is

Change data area CHGDTAARA DTAARA(TPPACTIVE *ALL) VALUE(Y)

Setup for Time Phased Planning

This section outlines how you can set up system parameters for time phased planning.

System Parameters

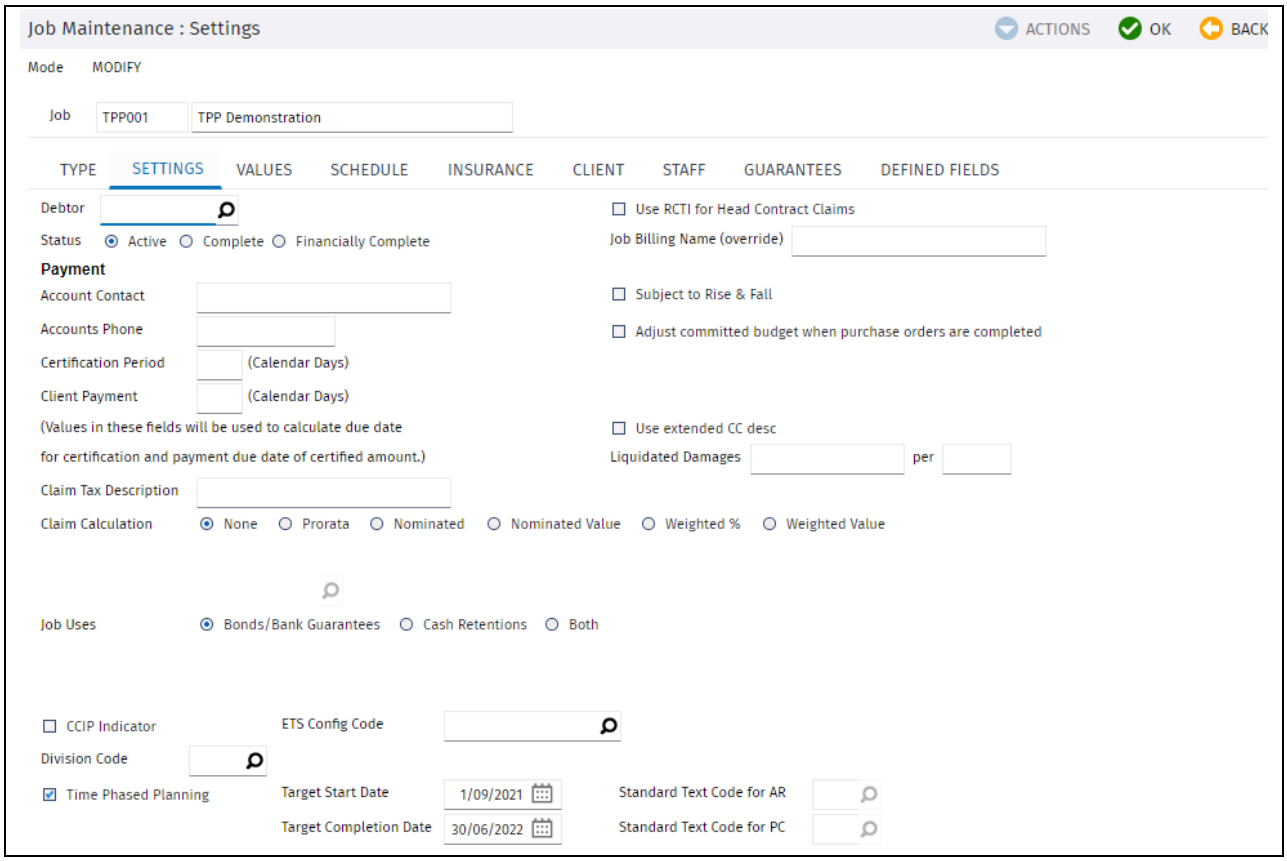
System Parameter	Position	Description
TPHASE	1 (Y/N)	The default value to flag whether the job uses time phased planning when a new job is created. Will default to not use time phased planning if value is not entered.
	2 (Y/N)	Take up any unallocated costs in the last period in time phase budget/cost entry. Recommend Y.
	3 (Y/N)	Take up any unallocated payments in the last period in time phase budget/cost entry. Recommend Y
	4 (Y/N)	Use time phased budget values in Cashflow WIH report. Time phase budget values will be used if value is not entered.
TPPLAG	1-20	Cost type defaults for lagging. Position 1-2 will control the lag used for cost type 01, position 3-4 will control the lag used for cost type 02, etc. The order of Cost types is determined by their order in System Admin>Cost types

Marking the Project

Once the TPP/S-Curve data area is set to Y, and option will appear in Job Maintenance to turn the function on for this project. The parameter TPHASE can set the default for this.

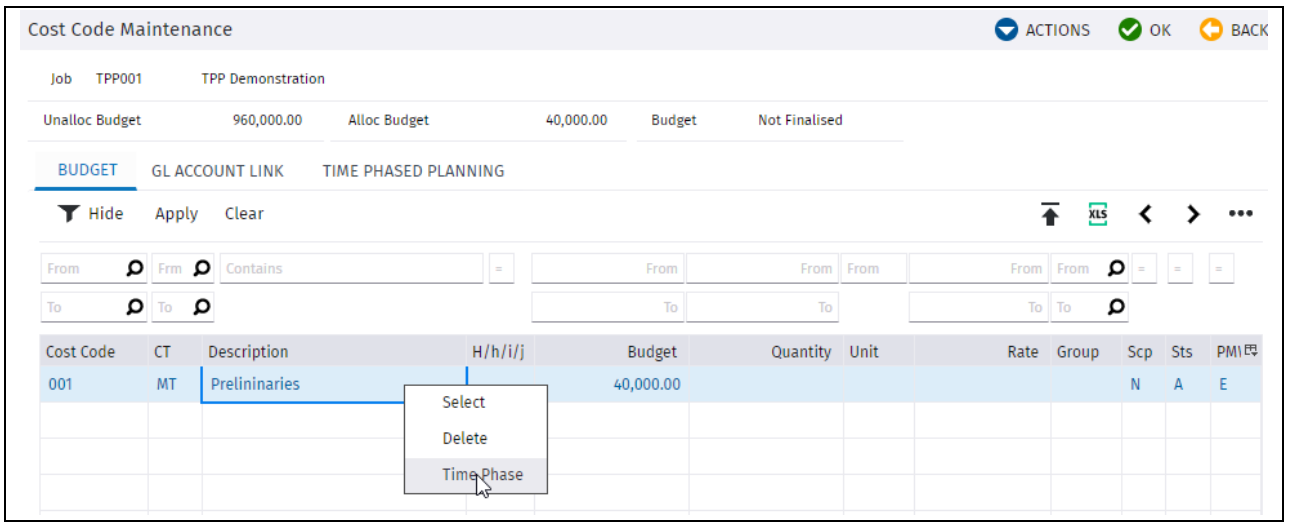
The option is called '**Time Phased Planning'** at the bottom of the screen below.

This is used to turn on TPP and S-Curves for a project. (See separate function guide for S-Curves)

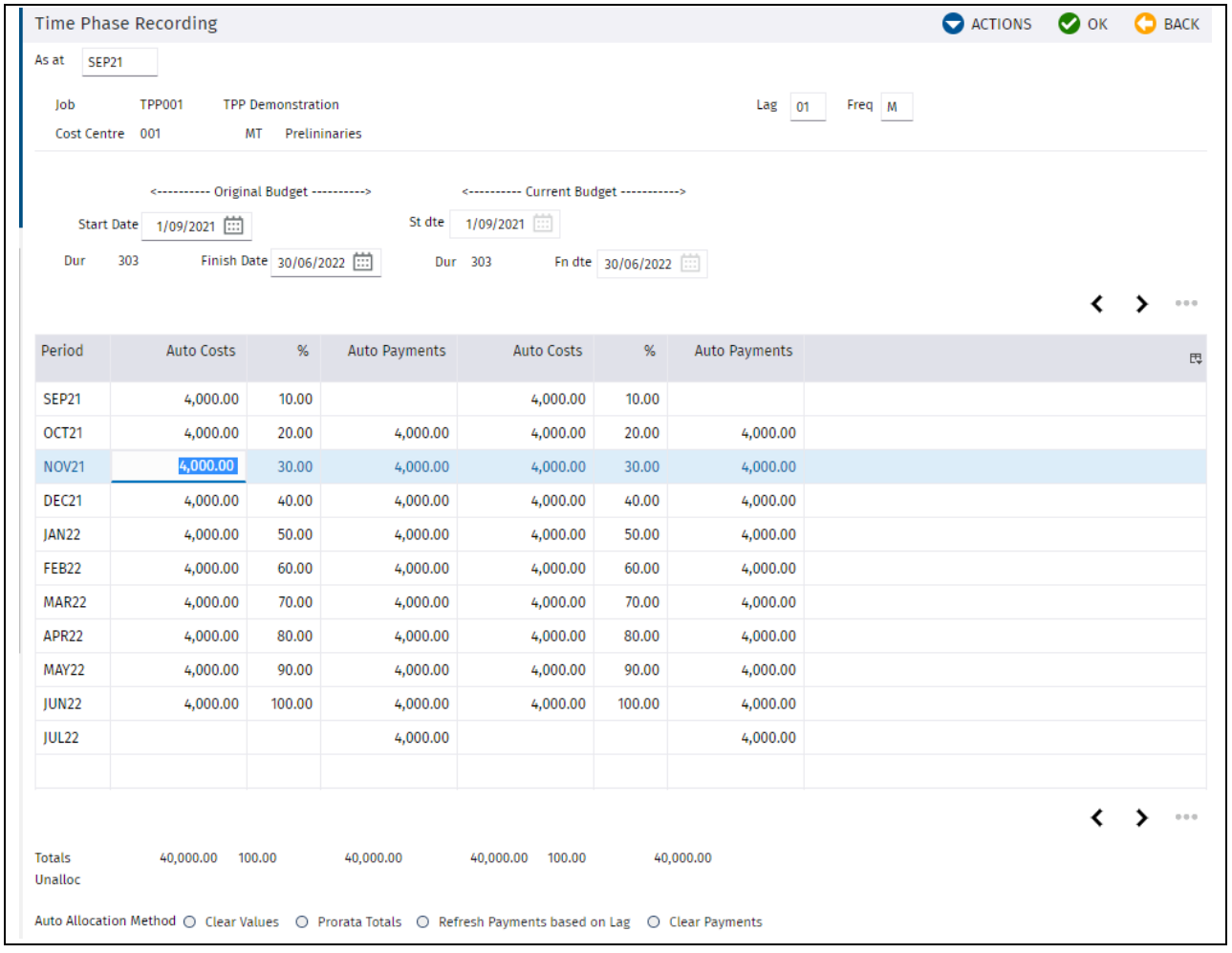

Job Maintenance : Settings
ACTIONS
OK
BACK
Mode MODIFY
Job TPP001 TPP Demonstration
TYPE SETTINGS VALUES SCHEDULE INSURANCE CLIENT STAFF GUARANTEES DEFINED FIELDS
Debtor
Use RCTI for Head Contract Claims
Status Active Complete Financially Complete
Job Billing Name (override)
Payment
Account Contact
Subject to Rise & Fall
Accounts Phone
Adjust committed budget when purchase orders are completed
Certification Period (Calendar Days)
Client Payment (Calendar Days)
(Values in these fields will be used to calculate due date
for certification and payment due date of certified amount.)
Use extended CC desc
Liquidated Damages per
Claim Tax Description
Claim Calculation None Prorata Nominated Nominated Value Weighted % Weighted Value
Job Uses Bonds/Bank Guarantees Cash Retentions Both
CCIP Indicator
ETS Config Code
Division Code
Time Phased Planning
Target Start Date 1/09/2021
Standard Text Code for AR
Target Completion Date 30/06/2022
Standard Text Code for PC

Time Phased Budgeting

Time phased budgeting can be accessed via Cost Code Maintenance



Time phased budgets can be entered manually per month for the cost centre in the following screen.



If the Project budgets are not yet finalised, then the '**Original Budget'** columns for Cost and Payments are open for distribution. This distribution can be done manually by entering each

month budget, or the auto allocation option '**Prorata Totals'** can be used to spread the budget evenly over the months.

There is a field for Lag where the defaults are based on parameter TPPLAG. This can be 01, 02, 03… which determines monthly the lag for payments of the costs. When the option '**Refresh payment Based on Lag'** is selected, the payments are automatically filled according to this lag.

To return to doing this manually, use the options '**Clear Values'** and '**Clear Payments'**.

If the Auto functions are used the column headings contain '**Auto**', and if manual contain '**Manual**'

When the budgets are finalised for the project, the Original Budget columns are locked off, and the Current Budget columns are used to make further changes.

There is an option to specify the auto spread of the budgets. This can be

D Daily
M Monthly
Q Quarterly
Y Annually

To use this, first clear the budget spread, then set the option, and use the 'Prorata Totals' option.

The main purpose of the Phased Budgets is to provide a base line to compare with the Forecasted monthly CWIP to go.

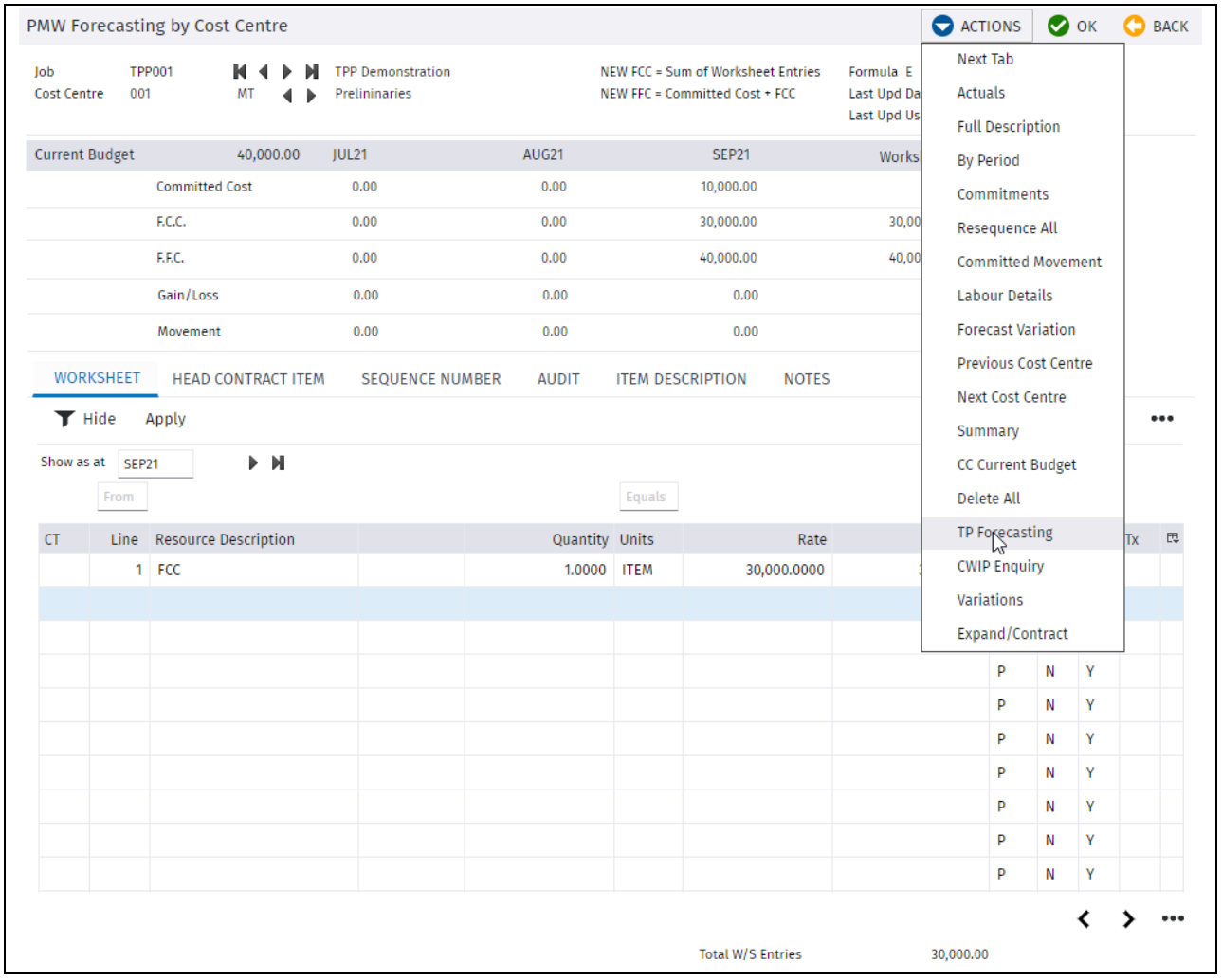
A summary of options follows.

Auto Allocation Option	Description
Clear Values	All cost values will be cleared.
Prorata Total	Cost values will be prorated across all remaining months.
Refresh Payments based on Lag	Payment values will be populated with cost values using the lag monthly factors defined for each cost type in the parameter TPPLAG.
Clear Payments	All payment values will be cleared.

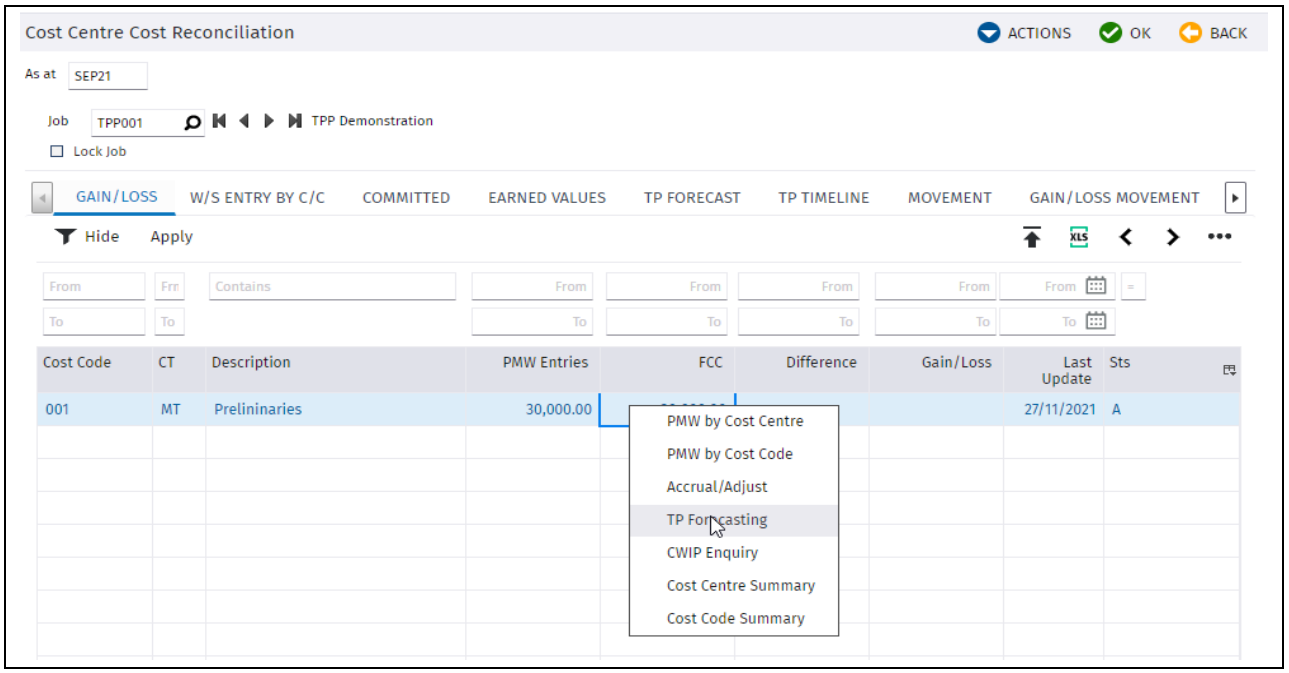
Time Phased Forecasting

The normal forecasting of Forecast Cost to Complete via the PMW should be done for a cost centre, to establish a Forecast Final Cost. The System then calculates FFC – CWIP to date. It is this amount that is spread over the remaining months for that cost centre.

Time phased forecasting can be accessed in a few areas of Jobpac and BFM. In Jobpac and BFM it can be accessed via the PMW Forecasting by Cost Centre screen.



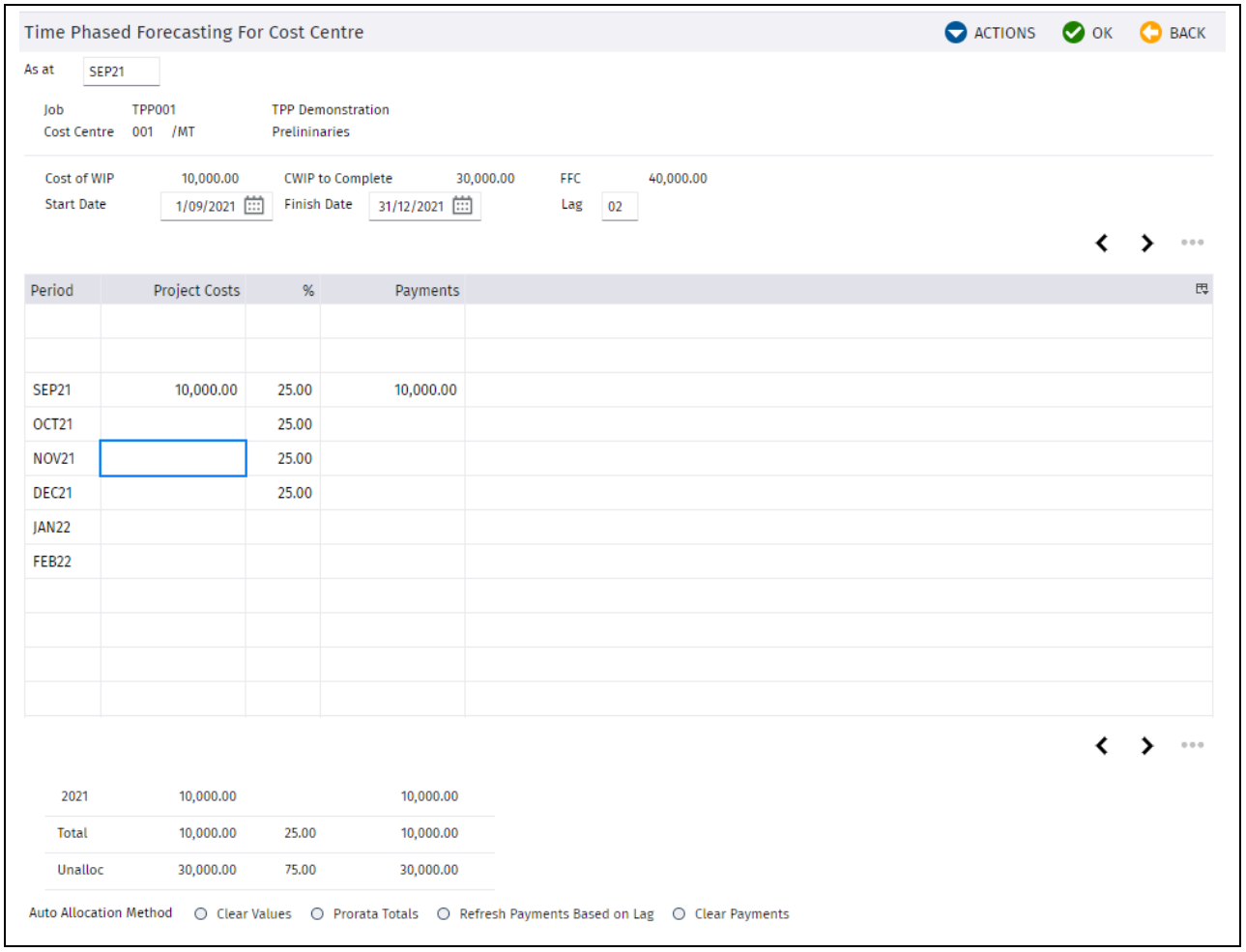
In BFM it can also be accessed via the cost centre cost reconciliation screen.



The following screen is presented.

Time phased forecasts can be entered manually per month for the cost centre.

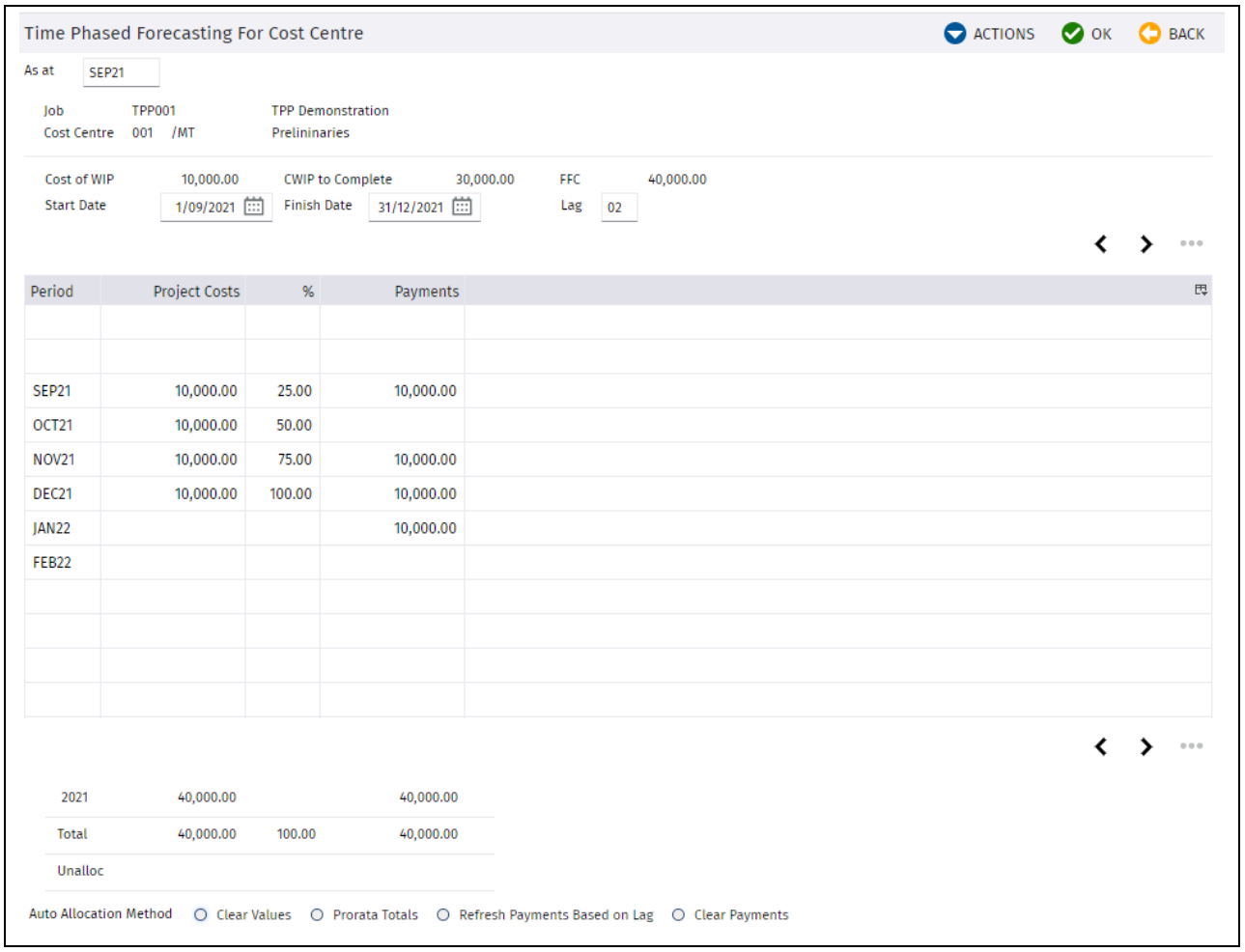
The first step is to enter a start and finish date for the works for that cost centre. Then Select OK. Then check the lag no of months, and set that as necessary. Select OK again.



In the example below, the work has already started and is due to finish in Dec 2021. Actual Payment for the work would generally be in the month after the work was actually done.

The estimate of work to be done each month is entered into the months from now until the finish month for this cost centre. Auto allocation options can be used to assist in the entry of values. The last month will always contain any unallocated amount if position 2 of TPHASE is set to Y (recommended).

After these costs have been allocated, select option '**Refresh Payments based on Lag value'.** After this no unallocated amounts should display.

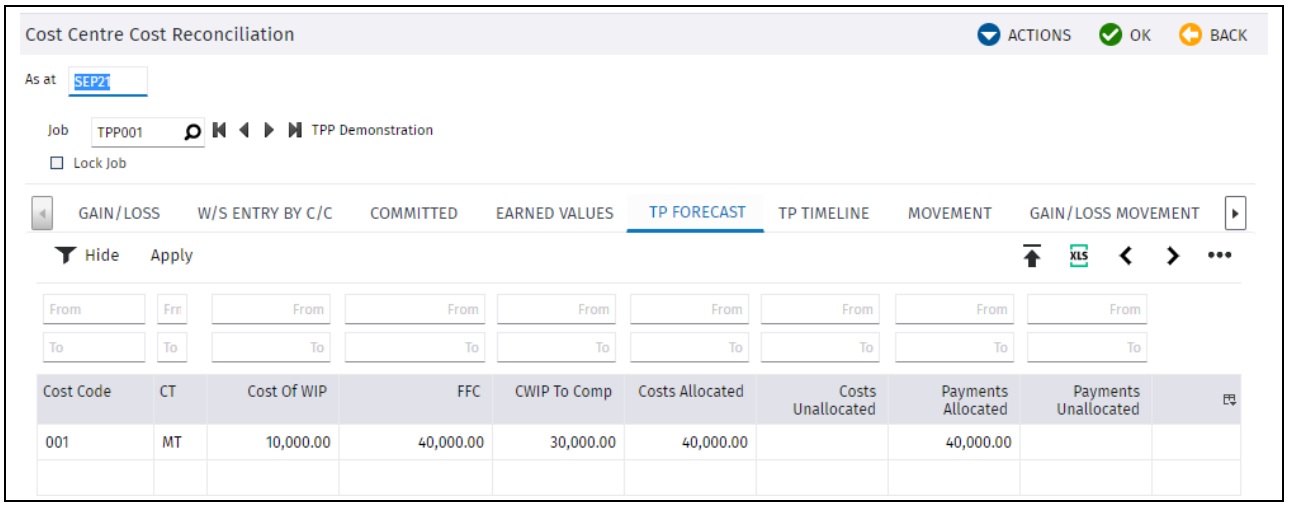


Summary of options

Auto Allocation Option	Description
Clear Values	All cost values will be cleared.
Pro-rata Total	FFC-CWIP value will be prorated across all remaining months.
Refresh Payments based on Lag	Payment values will be populated with values using the lag monthly factor defined for this cost type in the parameter TPPLAG.
Clear Payments	All payment values will be cleared.

Contract Valuation has TPP specific tabs in the cost centre cost reconciliation screens.

TP Forecast tab shows allocated and unallocated costs, and allocated and unallocated payments. You can use these screens to see if all cost centres have been allocated. If everything is done correctly, there should be no values in the columns '**Costs Unallocated'** and '**Payments Unallocated'**

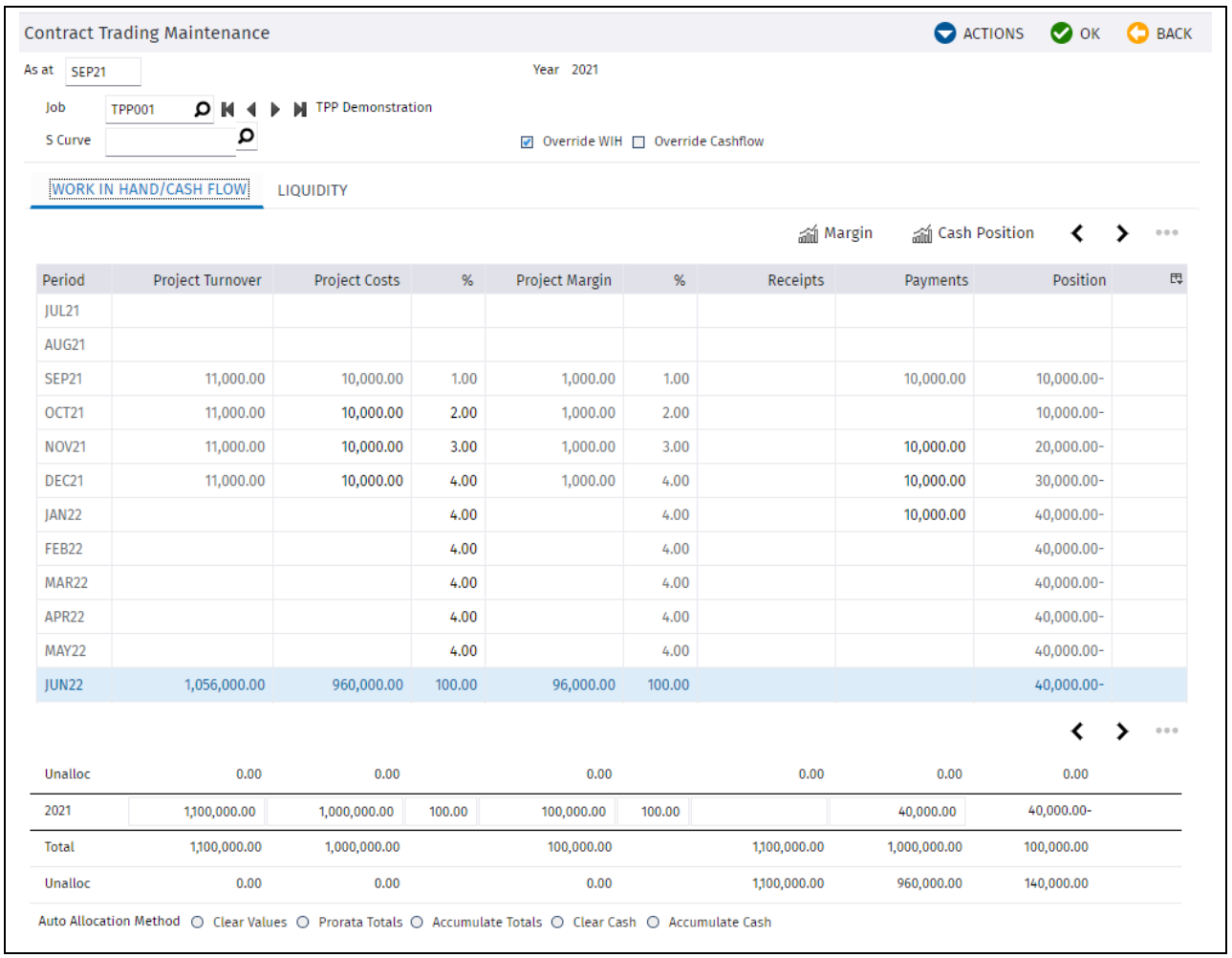


Importing WIH from Cost Centres

If Time Phased Forecasts are prepared for all cost centres, a summary of the monthly values can be imported to the Project level WIH.

In the WIH Screen, if TPP is turned on, there is an option '**Import from CCs**'

If this is selected, the project level WIH and Payments are populated for the sum of the cost centres.



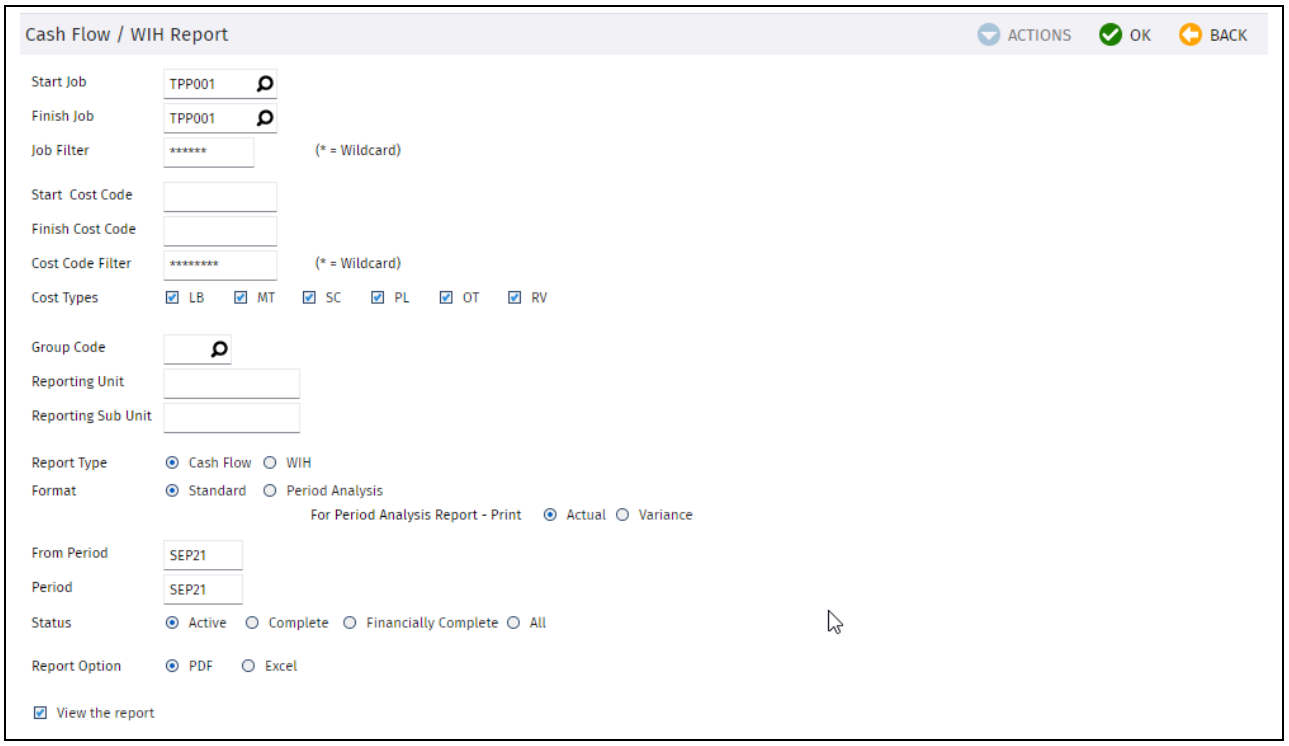
Period	Project Turnover	Project Costs	%	Project Margin	%	Receipts	Payments	Position
JUL21								
AUG21								
SEP21	11,000.00	10,000.00	1.00	1,000.00	1.00		10,000.00	10,000.00-
OCT21	11,000.00	10,000.00	2.00	1,000.00	2.00			10,000.00-
NOV21	11,000.00	10,000.00	3.00	1,000.00	3.00		10,000.00	20,000.00-
DEC21	11,000.00	10,000.00	4.00	1,000.00	4.00		10,000.00	30,000.00-
JAN22			4.00		4.00		10,000.00	40,000.00-
FEB22			4.00		4.00			40,000.00-
MAR22			4.00		4.00			40,000.00-
APR22			4.00		4.00			40,000.00-
MAY22			4.00		4.00			40,000.00-
JUN22	1,056,000.00	960,000.00	100.00	96,000.00	100.00			40,000.00-

Unalloc	0.00	0.00		0.00		0.00	0.00	0.00
2021	1,100,000.00	1,000,000.00	100.00	100,000.00	100.00		40,000.00	40,000.00-
Total	1,100,000.00	1,000,000.00		100,000.00		1,100,000.00	1,000,000.00	100,000.00
Unalloc	0.00	0.00		0.00		1,100,000.00	960,000.00	140,000.00

Reporting

Time phased budgets and forecasts can be viewed via the Cash Flow / WIH Report.

Projects>Forecasting>Cash Flow/WIH Report



Period Analysis format must be selected in combination with Variance option to output both budgets and costs.