42007-2636 EFFECTIVE DATE FOR MATERIAL COST CHANGES

Specification for the introduction of scheduling for changes in material costs.

Project:	42007
System:	QESTMix
Author:	Lief Martin/Marat Bakhtiyarov
Date Created:	17 January 2006
Date Last Modified:	28 April 2006
Revision:	1.0
Filename:	42007-2636 effective date for material cost changes.mht

DOCUMENT CONTROL

Date	Author	Revision	Change Reference
17 Jan 06	Lief Martin	1.0	Original Document
21 Apr	Marat Bakhtiyarov	1.0	Original Document continued

RELATED DOCUMENTATION

Name	Location	Details

TABLE OF CONTENTS

1. Business Requirements

1.1 Overview

It is often the case that material cost changes are planned/known well in advance. Currently, the data entry needs to be done right when the costs are changed, even though the data is available much earlier. This is because changes done in QESTMix are effective immediately - there is no way to schedule the price change. This can be an issue when there is a large list of changes that need to be entered at once, and puts strain on data entry personnel.

This specification covers the introduction for a mechanism of pre-scheduling a price change, and applying the change at a later stage. This will allow the data to be entered well in advance of the actual change.

2. Functional Requirements

2.1 Overview

In general terms, the main changes are that there needs to be a place to enter the "scheduled" changes, and a way to apply the changes.

Entering the new costs will be done via new columns on the plant/material cost grid (available on both the plant screen and the material screen).

The changes can be applied via an item in the tools menu, which will provide a list of dates for which changes have been scheduled, and allow them to be applied.

2.2 Changes to the Plant/Material Objects

New material properties will be added for each of the existing cost fields, and a "change date" property will be added.

2.3 Changes to the Plant/Material Screens

The Properties tab on the Material screen has two cost fields:

- Prod. Cost (Materials.NettCost)
- ExBin Cost (Materials.GrossCost)

3 new fields (shown in blue) will be added to the Properties tab on the Material screen

- Date (Materials.CostChangeDate) – Date format, sets the date when Prod Cost and ExBin Cost are updated
- New Prod Cost (Materials.NewNettCost) – Single Format, 2 decimal places
- New ExBin Cost (Materials.NewGrossCost) - Single Format, 2 decimal places

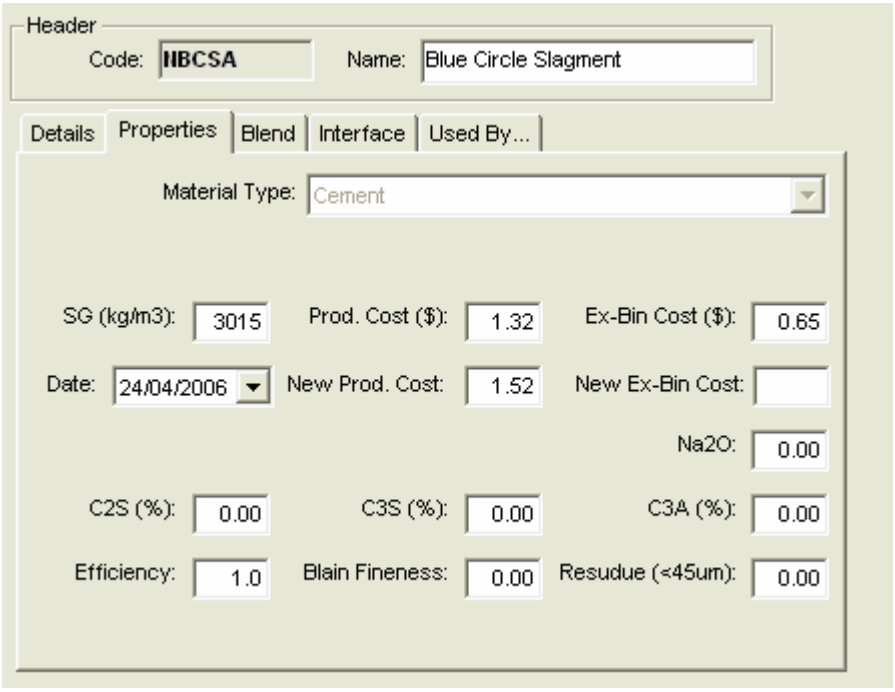


Figure 1 - Properties Tab on Material Screen

The cost fields that are displayed on both Material and Plant cost grids depend on the "UseDeliveredCost" Option of the QAC (QAC>Options>Materials>UseDelivered).

Below are the existing columns (black) and the new columns to be added (blue) for both cases of the option.

USEDELIVEREDCOST = TRUE

Plant Grid:

- Delv Cost (PlantMaterialCosts.DeliveredCost)
- Cart Cost (PlantMaterialCosts.Cost)
- Date (PlantMaterialCosts.CostChangeDate) - Date format, sets the date PlantMaterialCosts.DeliveredCost and PlantMaterialCosts.Cost are updated.
- New Delv Cost (PlantMaterialCosts.NewDeliveredCost) – Single Format, 2 decimal places
- New Cart Cost (PLantMaterialCosts.NewCost) – Single Format, 2 decimal places

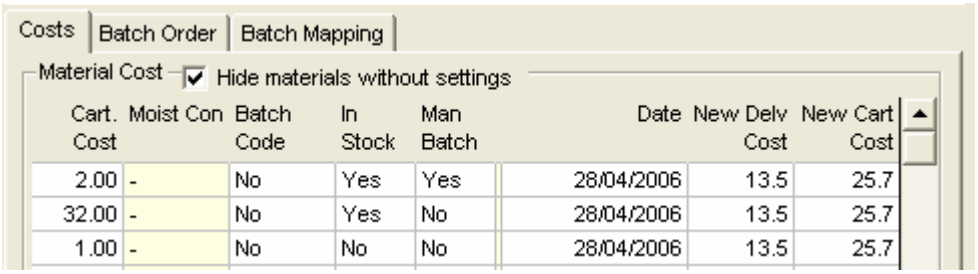


Figure 2 - Plant Grid, UseDeliveredCosts = True

Material Grid:

- Delv Cost (PlantMaterialCosts.DeliveredCost)
- Cart Cost (PlantMaterialCosts.Cost)
- Date (PlantMaterialCosts.CostChangeDate) - Date format, sets the date PlantMaterialCosts.DeliveredCost and PlantMaterialCosts.Cost are updated.
- New Delv Cost (PlantMaterialCosts.NewDeliveredCost) – Single Format, 2 decimal places
- New Cart Cost (PLantMaterialCosts.NewCost) – Single Format, 2 decimal places
-

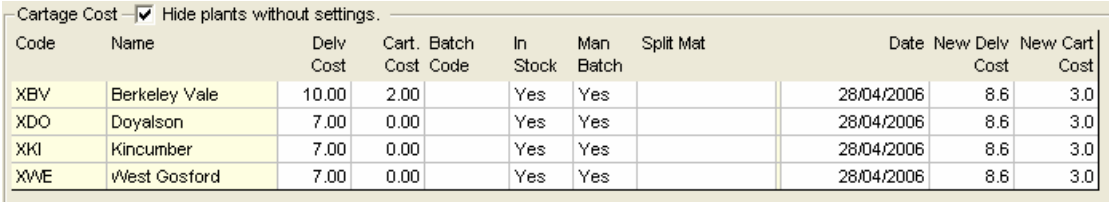


Figure 3 - Material Grid, UseDeliveredCost = True

USEDELIVEREDCOST = FALSE

Plant Grid:

- Cost (Material.GrossCost) – this filed is the ExBin Cost on the Material screen and cannot be edited on the Plant grid. The change date will be set on the Properties tab of the Material Grid
- Cart Cost (PlantMaterialCosts.Cost)
- Date (PlantMaterialCosts.CostChangeDate) - Date format, sets the date PlantMaterialCosts.DeliveredCost and PlantMaterialCosts.Cost are updated.
- New Cost (Materials.NewGrossCost) – Not editable, The change date will be set on the Properties tab of the Material Grid
- New Cart Cost (PLantMaterialCosts.NewCost) – Single Format, 2 decimal places

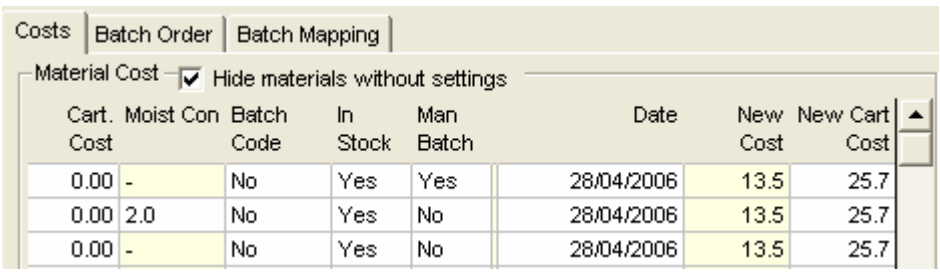


Figure 4 - Plant Grid, UseDeliveredCosts = False

Materials Grid:

- Cart Cost (PlantMaterialCosts.Cost)
- Date (PlantMaterialCosts.CostChangeDate) - Date format, sets the date PlantMaterialCosts.DeliveredCost and PlantMaterialCosts.Cost are updated.
- New Cart Cost (PLantMaterialCosts.NewCost) – Single Format, 2 decimal places

Cartage Cost — Hide plants without settings.

Code	Name	Cart. Cost	Batch Code	In Stock	Man Batch	Split Mat	Date	New Cart Cost
XBV	Berkeley Vale	2.00		Yes	Yes		28/04/2006	3.0
XDO	Doyalson	0.00		Yes	Yes		28/04/2006	3.0
XKI	Kincumber	0.00		Yes	Yes		28/04/2006	3.0
XWE	West Gosford	0.00		Yes	Yes		28/04/2006	3.0

Figure 5 - Material Grid, UseDeliveredCosts = False

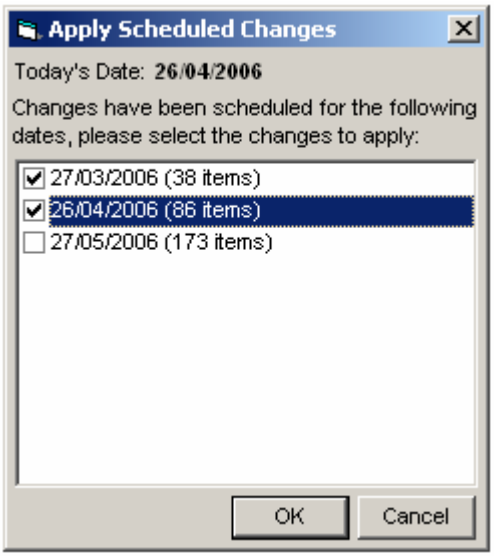
All of the new columns will be added to the right hand side of the grid following a double line.

The date column will fill down automatically as data is entered. When an empty date cell is entered, if there is a date in the cell above it, this date will be copied. The copied data will be *highlighted* so that it can be easily overtyped.

2.4 Update Material Costs Tool

A new tool will be added under *Menu* > *Tools* > *Materials* > *Update Costs*. Clicking on this menu option will bring up a form, shown on the screenshot below. The form will contain list object with dates where there are cost values that have not yet been updated. The form lets the user select these dates.

When the *Apply Scheduled Changes* tool is initiated via the tools menu, all changes scheduled for dates up to and including the current date will be selected. Changes that are scheduled for the future can also be applied; however they will not be selected by default.



During the update process current values will be replaced by the scheduled ones and the scheduled ones will be cleared to NULL.

3. Assumptions and Additional Constraints

N/A