

CAUTION !! All new procedures and processes should be checked in the 'Test' environment before being applied to the 'Live' business system.

BULK ISSUE ITEMS PROCESS – Ver 2

SCREENS SHOWN IN THIS DOCUMENT ARE FROM SAPPHIRE V10



1. INTRODUCTION

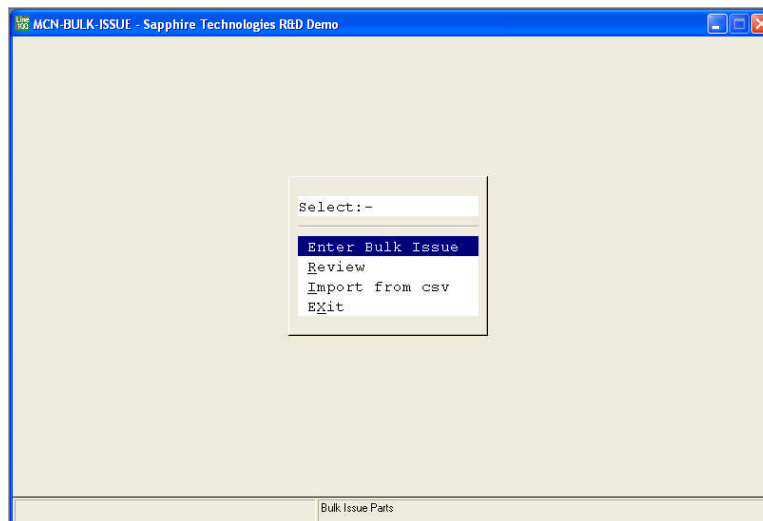
The facility exists within Sapphire to flag specific items as 'Bulk Issue'. These items

- Will normally be controlled within the Stock Control module on a 'two bin' basis
- Are included on the Bill of Materials for costing purposes
- Do not need to be kitted or issued during the Works Order Issue process

A typical example would be low cost items such as fasteners, which are issued in bulk (say one box at a time) to the production area. Another example could be water used in a batch mixing process, where the quantity needs to be specified on the BOM (and maybe even costed as part of the mix) but clearly would not be 'issued'.

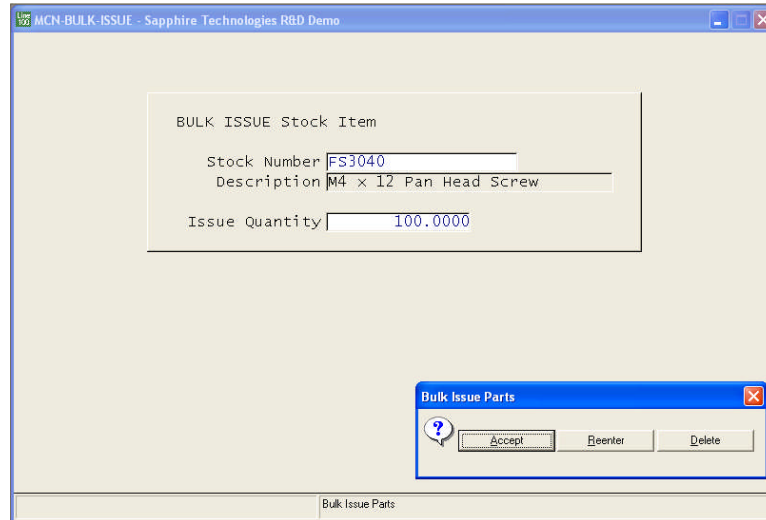
2. SPECIFYING B/I ITEMS

Bill of Materials, BOM Maintenance, Bulk Issue Parts



The options are available to Enter, Review or Import the B/I items

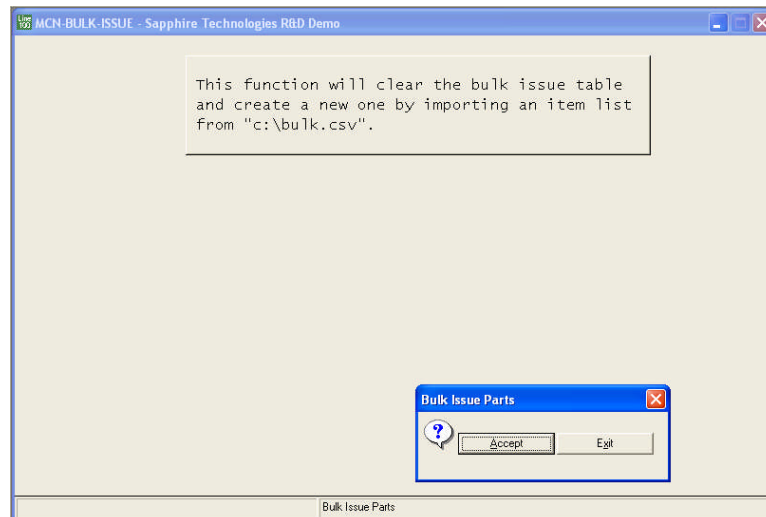
2.1 Enter Bulk Issue



Enter the Stock Number of the item to be designated as B/I or use the '/' search to find the item. The Description is shown from the stock record, and an Issue Quantity can be entered if required. This is a suggested quantity to be issued from stores to the production area, when replenishment is required, and can be left as zero.

Press Return to show the standard base menu of Accept, Reenter and Delete

2.2 Import from csv



Items can be imported from a .csv file rather than individually entered if required. The file must be held on the c: drive and named c:\bulk.csv. Only one field is required, and this is the Stock (item) Number. Please note that any existing list of B/I items will be DELETED when using the import function. The Quantity field is not imported, but individual items can be amended as described below.

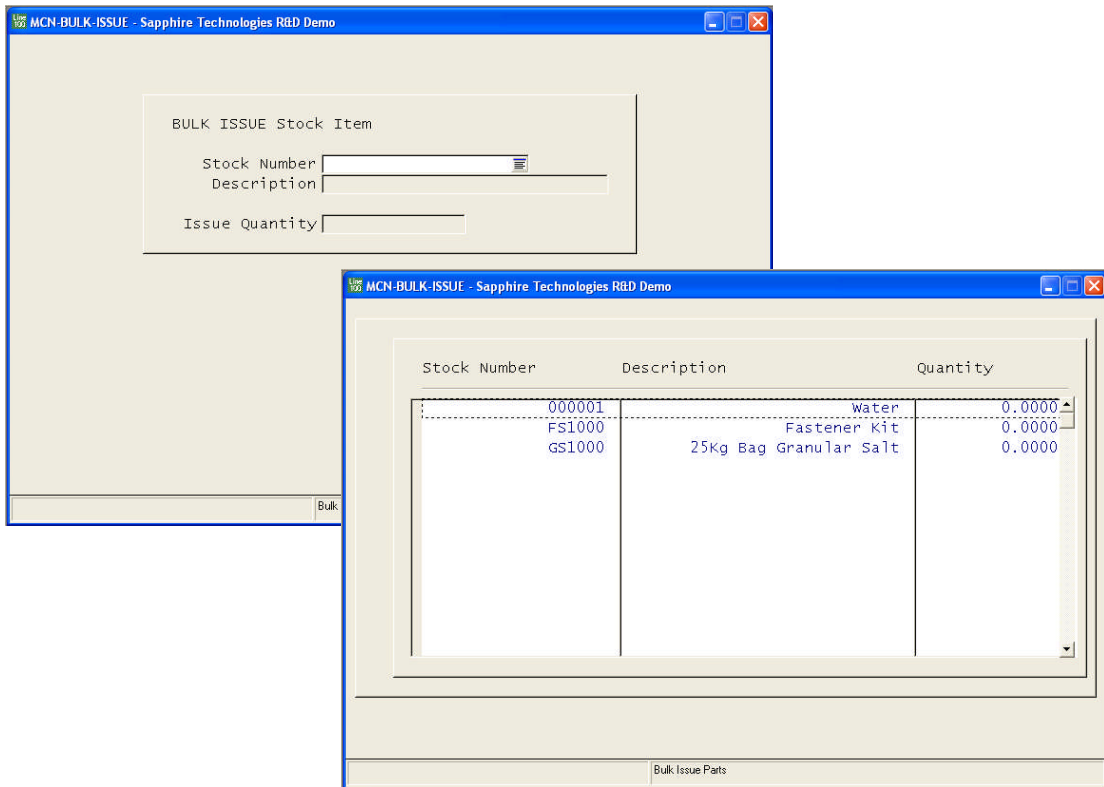
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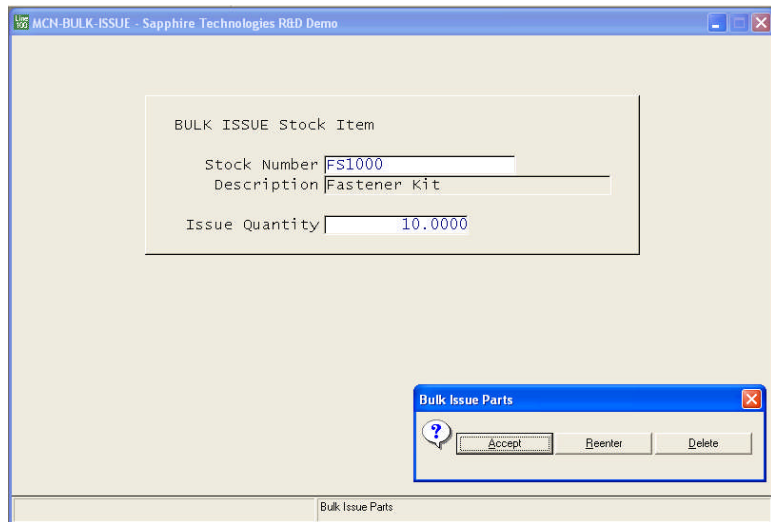
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2.3 Review



Enter an individual Stock Number or a '/' search as used here to display a list of items currently listed as B/I. Press ESC to exit the list of B/I items, or place the cursor on an item line and press Return (or double click the line) to enable the Issue Quantity to be entered if required.



This is a suggested quantity to be issued from stores to the production area, when replenishment is required, and can be left as zero.

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3. B/I ITEMS ON A BILL OF MATERIAL

SMS-BOM-CREATE - Sapphire Technologies R&D Demo

Bill of Materials Batch Size Level
 Description UOM
 Build Path

Seq	Item Number	Description	Total Qty
1	CA1750	PUMP KIT	1.0000
2	PK7343	Tri Wall Packing Case	1.0000
3	FS1000	Fastener Kit	1.0000

Qty of Size Total Qty

Raw Material In stock
 UOM Component Ref
 Min Issue Bulk Item Loc'n Unit Cost

Create BOM

The lower part of the screen shows information specific for the highlighted (cursor) line of the BOM, including if it is a Bulk Issue Item

Bill of Materials Costing Report		Costed At Standard Cost					
Bom Reference CA1700							
Description PUMP UNIT (FROM KIT)							
Economic Order Quantity	0.0000						
Batch Size	1.0000						
Date Last Costed 10 Nov 2006							
Quantity	1.0000						
Materials	165.7500						
Resource Setup	0.0000						
Resource Run	7.5000						
Resource Finish	0.0000						
Last Costed Total		173.2500					
Materials							
Lev	Item Number	Description	Yield %	Quantity Req.	Unit Cost	Total Cost	
1	CA1750	PUMP KIT	0.00	1.0000	160.0000	p 160.0000	
1	PK7343	Tri Wall Packing Case	0.00	1.0000	5.2500	p 5.2500	
1	FS1000	Fastener Kit	0.00	1.0000	0.5000	p 0.5000	
Total Material Cost						165.7500	
Resources for CA1700							
Operation Ref	Description	Resource Reference	Setup	Run	Finish	Cost Rate	Total Cost
PR42	Manual Assembly	EL50	00:00	00:00	00:00	10.0000	0.0000
PR43	Packing	EL60	00:00	00:30	00:00	15.0000	7.5000
Resource Total							7.5000
Grand Total							173.2500
Selling Price 1							0.0000
Margin							701.7500
Margin							80.2000%
Approved By				Date			

The cost is shown on the Costed BOM Report

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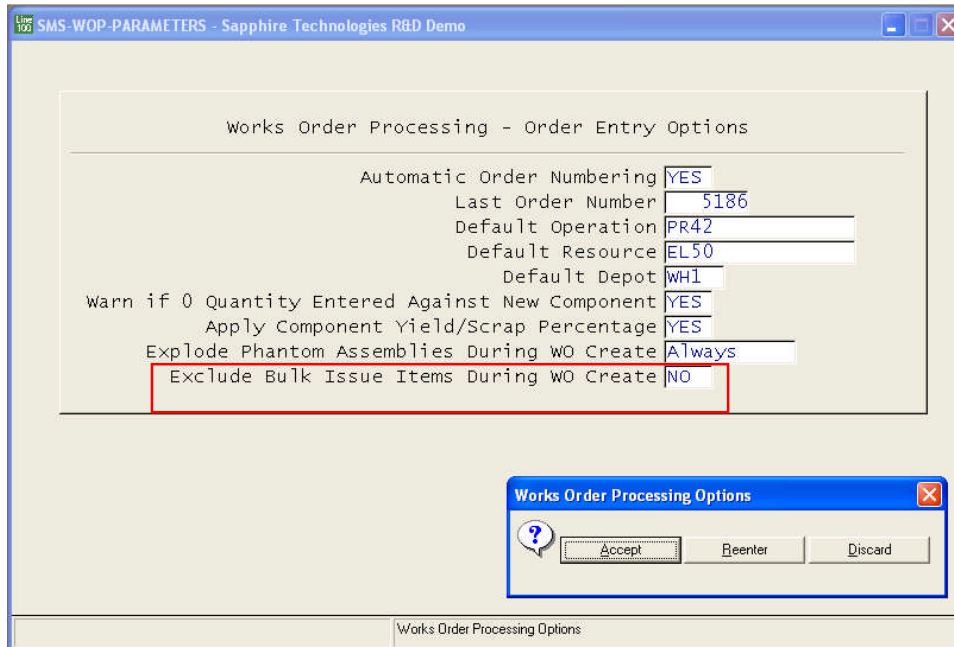
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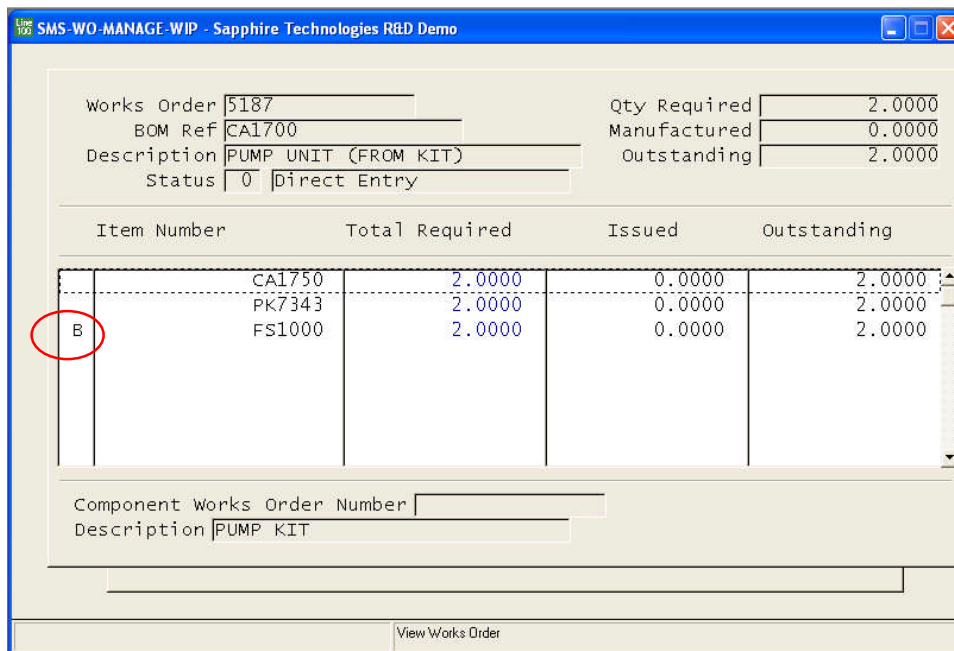
4. B/I ITEMS ON A WORKS ORDER

4.1 There is an additional parameter in Version 10, to allow B/I items to be excluded from Works Orders if required. In the following examples this has been set to NO, to include the B/I items

Works Order Processing, Utilities, Parameters, Options, Order Entry



4.2 *Works Order Processing, Enquiries, View Works Order, Components* shows the 'B' indicator flag against B/I items



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Data Sheet for Bulk Issue Items

4.3 When the components have been issued to the works order, and with the parameter set as shown in (4.1) above, the Bulk Issue items will be shown on the Works Order Picking list as a reminder that they are required. The Bulk Issue Quantity is the figure entered against the item in (2.3) above. In this instance the FS1000 Fastener Kits are usually issued from the stores to the production area in 10's

Sapphire Technologies R&D Des							Date	10 Nov 2006
Works Order Picking Lis								
Works Order N:	5187	Quantity to be Manufacture		2.0000				
Job Number	BOM CA1700	Description		PUMP UNIT (FROM KIT)				
Component Number:	Description	Depot	Bin	GRN Number	Batch/Serial N	Quantity Issued	Pack	
CA1750	PUMP KIT	WH1		6080		2,0000	Each	
PK7343	Tri Wall Packing Case	WH1		6111		2,0000	Each	
The following items are required for this works order but are defined as Bulk Issue Items and have NOT been issued :								
FS1000	Fastener Kit	Bulk Issue Quantity		10.0000				

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5. STOCK CONTROL OF B/I ITEMS

5.1 Most B/I items would be controlled through Stock Control on a 'two bin' basis, with the reorder levels set so that when a quantity has been issued to the production area, a reorder request is triggered.

Item Details:
 Item Number: EC3000
 Description: Cable Crimp 1mm2 x 6mm
 Product Group: EL40 Electronic
 Product Family:
 Sector:
 Serialised Stock: NO
 Default Depot: WH1 Bin:
 Use Quantity In: 6 Box

In Stock	2.0000	Box
Promised (SO/WO/TR)	0.0000	Box
On Order (WO/PO/TR)	0.0000	Box

 Last Order Entered:
 Next Order Due:
 Last Stock Take:
 Stock Item Maintenance

Ordering Parameters:
 Include in MRP: NO
 MPS Item: NO
 Item Type: P Purchased
 Order Policy: L Lot For Lot
 Preferred Supplier: C001
 Buyer:
 Order Line Type: STK
 Discount Code:
 ReOrder Level: 2.0000
 Lead Time: 5 Days
 Minimum PO/WO Qty: 0.0000
 Minimum SO Qty: 0.0000
 Increment: 0.0000
 Minimum Stock: 1.0000
 Maximum Stock: 3.0000
 Days Supply: 0
 Yield/Scrap: 0.0000000%

5.2 Stock can be issued to the production area using *Stock Control, Transaction Entry, Single Item Issue*

Transaction Entry:
 Date: 10 Nov 2006
 Item Number: EC3000
 Description: Cable Crimp 1mm2 x 6mm
 WO/Contract:
 Issue Ref: PRODUCTION
 Depot: WH1

In Stock	2.0000
Quantity	1.0000

 Measured In: Box

Single Item Issue Dialog:
 ? [Accept] [Reenter] [Exit]

5.3 The Stock Reorder Report can be used to find items that are below the reorder level

Sapphire Technologies R&D Des								
Stock Reorder Report								
Item Number/Descriptio	Qty In Stocl	On Order	Promises:	Free	Re Order	Max	To Order	
02/0100	1.0000	0.0000	0.0000	1.0000	2.0000	10.0000	9.0000	
Air Freshener								
BB6940	0.0000	0.0000	0.0000	0.0000	10.0000	30.0000	30.0000	
Brass Bar 8 x 4 mm								
C1000	7.0000	2.0000	22.0000	-13.0000	0.0000	0.0000	13.0000	
Casting								
CA2750/5	9.0000	0.0000	0.0000	9.0000	10.0000	0.0000	1.0000	
Control Panel								
CA2750/6	5.0000	0.0000	0.0000	5.0000	10.0000	0.0000	5.0000	
Control Panel								
CA3800	1.0000	0.0000	25.0000	-24.0000	0.0000	0.0000	24.0000	
Electric Motor 3HP 415V 3PH								
CA3850	1.0000	1.0000	25.0000	-23.0000	0.0000	0.0000	23.0000	
Centrifugal Pump 800LPM								
EC3000	1.0000	0.0000	0.0000	1.0000	2.0000	3.0000	2.0000	
Cable Crimp 1mm2 x 6mm								

Note !! Consider keeping all consumable items in a single Product Group for flexibility in reporting

APPENDIX 1

It is possible to flag an item as Bulk Issue from within the Bill of Materials, so that the item is B/I for the specific BOM only, **WITHOUT** being declared a global B/I Item in the manner specified in section (2) above.

This is achieved by using the menu option *BOM Maintenance, Create/Amend BOM, <enter item number>, Change Quantity* and then changing the Bulk Item field to YES. In the example below the item PK7343 has been designated a B/I item for this BOM (CA1700) only, and hence the PK7343 item **DOES NOT** appear in the global B/I table.

This feature should be used with **CAUTION**, and careful consideration given first to using the Bulk Issue process by declaring global items in the B/I table in the conventional manner as described in this datasheet.

Bill of Materials: CA1700 Batch Size: 1.0000 Level: 1
 Description: PUMP UNIT (FROM KIT) UOM: Each
 Build Path: CA1700 »

Seq	Item Number	Description	Total Qty
1	CA1750	PUMP KIT	1.0000
2	PK7343	Tri Wall Packing Case	1.0000
3	FS1000	Fastener Kit	1.0000

Qty: 1.0000 of Size: 1.0000 Total Qty: 1.0000000

Raw Material: In stock: 44.0000
 UOM: Each Component Ref: Unit Cost: 5.2500
 Min Issue: 0 Bulk Item: YES Loc'n:

Stock Number	Description	Quantity
000001	Water	0.0000
FS1000	Fastener Kit	10.0000
FS3040	M4 x 12 Pan Head Screw	100.0000
GS1000	25Kg Bag Granular Salt	0.0000

Item Number PK7343 **NOT** shown in the global list

Bulk Issue Parts