

BoM-Related

22/04/2026 9:58 am BST

Relates to version

Tags: 9.0

BoM Definition, Use/Remove Transactions and As Built

The following system eCHR line types record the details of the required BoM for the item linked to the eCHR:

- **BoM Definition:** Definition of the BoM for the item being made, i.e., what are the requirements?
- **Use/Remove Transactions:** Record of the actual transactions that took place, i.e., consumptions and removals.
- **As Built:** List of components in the parent item.

BoM Definition Line Type

It may not be necessary to capture all BoM information in the eCHR. For instance, the MES might be required to record and track the consumption of consumable items for inventory management purposes (e.g., via backflush), but this data is not relevant to quality and therefore not required in the eCHR.

The specific BoM elements that must be included in the BoM Definition can be configured in the BoM version's BoM Slot settings. Any slots marked as "Yes" under *eCHR BoM Required* will be recorded in the eCHR BoM Definition (provided the eCHR Profile has the line type *BoM Definition* included).

The screenshot shows the 'Bom Slot Edit' dialog box with the following fields and values:

Field	Value
Slot Description	Slot A
Build Slot Type	PeterS SlotType1
Active	Yes
Required	No
Instructions	
Default Candidate	Motherboard ASUS
Default Qty	1.0000000000
Unit Of Measure	EA
eCHR Bom Required	Yes
eCHR Build Required	Yes

Buttons: Save, Cancel

BoM Definition Triggers

BOM Definition Trigger is either:

- Creation of a new eCHR for an item with a BoM (including when a new item is created as WIP at the start of a job OR

when there is a split off from an existing WIP item), or

- Transfer of an item to a new BoM version.

BoM Definition Reports

Contents report via the eCHR screen

BOM Definition Line Type Output – eCHR Listing

Summary Information

Detailed Information

Line Type	Latest	Revision	Reason	Signature Status	Created	Details	Last Edit User	eSign
BOM Definition	Yes	1	New	Not Required	06/08/2025 13:59:22	BoM Version Description: Medical Device A bom version No. Slots: 3 Version: 1.0	Lucy Demo	

Bom Slot	Slot Type	Required?	Child Product	Quantity	Unit
PCB	Medical device build	Yes	PCB A	1	EA
Case	Medical device build	Yes	Case	1	EA
Switch	Medical device build	Yes	Switch	4	EA

HTML Report

BOM Definition Line Type – Printable Report

Summary Information

Detailed Information

Line Type	Latest	Revision	Reason	Signature Status	Created	Details	Last Edit User	eSign
BOM Definition	Yes	1	New	Not Required	06/08/2025 13:59:22	BoM Version Description: Medical Device A bom version No. Slots: 3 Version: 1.0	Lucy Demo	

Bom Slot	Slot Type	Required	Child Product	Quantity	Unit
PCB	Medical device build	Yes	PCB A	1	EA
Case	Medical device build	Yes	Case	1	EA
Switch	Medical device build	Yes	Switch	4	EA

Use/Remove Transactions and As Built Line Types

Consumption of a component on the BoM may not be recorded in MES at all. For example, there is just a physical Kanban bin that is managed centrally, so although it is listed in the BoM, there may be no transactions/corresponding As Built in the MES.

- **eCHR BoM Required:** If *Yes*, it determines which elements of a BOM are required to be in the BOM definition and the **As Built** record.
- **eCHR Build Required:** If *Yes*, use/remove transactions for this BOM slot will be included in the eCHR for the item.

Bom Slot Edit i ? x

Slot Description Slot A

Build Slot Type PeterS SlotType1

Active Yes

Required No

Instructions

Default Candidate Motherboard ASUS

Default Qty 1.0000000000

Unit Of Measure EA

eCHR Bom Required Yes

eCHR Build Required Yes

Save Cancel

Use/Remove Transactions Trigger

- Consumption or Remove transaction.

As Built triggers

- Finalisation of the eCHR.
- New revision for any removals or consumptions (if eCHR reopened).
- Split of the parent item or creation of an item through a split.

Use/Remove Transactions Line Type Reports

Contents report via the eCHR screen

Build Record Line Type Output – eCHR Listing

Summary Information

Revision	Quantity	Transaction Type	Product	Child Serial No	Transaction Type	Quantity	Timestamp	User	Reason
2	Build Record	None	Bom Slot PCB Child Product PCB A Child Bom Serial No: A Quantity: 1 EA Timestamp: 06/08/2025 14:38:01 Transaction Type Transaction By: Lary	None	Not Required	06/08/2025 14:38	1		
3	Build Record	None	Bom Slot Case Child Product Case Child Bom Serial No: B Quantity: 1 EA Timestamp: 06/08/2025 14:38:29 Transaction Type Transaction By: Lary	None	Not Required	06/08/2025 14:38	1		
4	Build Record	None	Bom Slot Switch Child Product Switch Child Bom Serial No: D1 Quantity: 4 EA Timestamp: 06/08/2025 14:38:46 Transaction Type Transaction By: Lary	None	Not Required	06/08/2025 14:38	1		
4	Build Record	None	Bom Slot Switch Child Product Switch Child Bom Serial No: D2 Quantity: 2 EA Timestamp: 06/08/2025 14:38:56 Transaction Type Transaction By: Lary	None	Not Required	06/08/2025 14:38	1		
4	Build Record	None	Bom Slot Switch Child Product Switch Child Bom Serial No: D2	None	Not Required	06/08/2025 15:30	1		

Detailed Information

Revision	Product	Child Serial No	Transaction Type	Quantity	Timestamp	User	Reason
4	Switch	D1	Use	+ EA	06/08/2025 14:38	Lary	System

Build Record Line Type – Printable Report

Manufacturing History

Line Type	Latest	Revision	Reason	Signature Status	Created	Details	Last Edit User	eSign																
Build Record	Yes	1	New	Not Required	06/08/2025 14:36:13	Item Slot: PCB Child Product: PCB A Child Item Serial No: A Quantity: 1 EA Timestamp: 06/08/2025 14:36:14 Transaction: Use Transacted By: Lucy	Lucy Demo																	
Details <table border="1"> <thead> <tr> <th>Item Slot</th> <th>Child Product</th> <th>Child Item Serial No</th> <th>Transaction Type</th> <th>Quantity</th> <th>Timestamp</th> <th>User</th> <th>Reason</th> </tr> </thead> <tbody> <tr> <td>PCB</td> <td>PCB A</td> <td>A</td> <td>Use</td> <td>1 EA</td> <td>06/08/2025 14:36:11</td> <td>Lucy</td> <td>System</td> </tr> </tbody> </table>									Item Slot	Child Product	Child Item Serial No	Transaction Type	Quantity	Timestamp	User	Reason	PCB	PCB A	A	Use	1 EA	06/08/2025 14:36:11	Lucy	System
Item Slot	Child Product	Child Item Serial No	Transaction Type	Quantity	Timestamp	User	Reason																	
PCB	PCB A	A	Use	1 EA	06/08/2025 14:36:11	Lucy	System																	
Build Record	Yes	1	New	Not Required	06/08/2025 14:36:20	Item Slot: Case Child Product: Case Child Item Serial No: B Quantity: 1 EA Timestamp: 06/08/2025 14:36:29 Transaction: Use Transacted By: Lucy	Lucy Demo																	
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Case	Case	B	Use	1 EA	06/08/2025 14:36:29	Lucy	System																	

Summary Information

Detailed Information

As Built Line Type Reports

Contents report via the eCHR screen

As Built Line Type Output – As Built

Section: As Built

Revision	As Built	Item Slot	Build Version Description	Build Version	Updated	Not Required	06/08/2025 14:37	3
5	As Built		Build Version Description: Medical Device A bom version No. Slots: 3 Version: 1.0	1.0				

Revision: 3 (Latest) | Content: Formatted Content | eSignature: Not Available

Slot	Build Slot Type	Serial No	Product	Is Required	Min Qty	Max Qty	Required Qty	Fitted Qty	Use UoM
PCB	Medical device build	A	PCB A	Yes	1	1	1	1	EA
Case	Medical device build	B	Case	Yes	1	1	1	1	EA
Switch	Medical device build	S1	Switch	Yes	4	4	4	4	EA
		S2	Switch					2	EA

Summary Information

Detailed Information

HTML Report

As Built Line Type – Printable Report

As Built

Line Type	Latest	Revision	Reason	Signature Status	Created	Details	Last Edit User	eSign
As Built	Yes	3	Updated	Not Required	06/08/2025 14:37:08	Build Version Description: Medical Device A bom version No. Slots: 3 Version: 1.0	Lucy Demo	

Details

Slot	Type	Serial No	Build Slot Type	Is Required	Min Qty	Max Qty	Required Qty	Product	Use UoM	Fitted Qty
Case	SLOT		Medical device build	Yes	1	1	1	Case	EA	1
Case	ITEM	B						Case	EA	1
PCB	SLOT		Medical device build	Yes	1	1	1	PCB A	EA	1
PCB	ITEM	A						PCB A	EA	1
Switch	SLOT		Medical device build	Yes	4	4	4	Switch	EA	4
Switch	ITEM	S1						Switch	EA	2
Switch	ITEM	S2						Switch	EA	2

Summary Information

Detailed Information

