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PHARMASUITE - BUILDING BLOCKS COMPATIBILITY MATRIX PharmaSuite Release 8.4

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Compatibility of Phase Revisions	1
EBR Package	2
Dispense Package	5
Equipment Tracking Package	10
Equipment Automation Package	11
IPC Package	14
DCS Package *4)	15
Legend	16
Content of PharmaSuite 8.4 Building Block Packages	17

Building Blocks - Compatibility Matrix

The matrices describe version compatibilities for PharmaSuite and Building Blocks.

Compatibility of Phase Revisions

For **new** phase building blocks, the compatibility information in the matrix applies to the indicated PharmaSuite version.

For **updated** phase building blocks, the following update variants need to be distinguished:

Maintenance Release (MR) of a phase building block

An MR phase building block can be installed in an existing environment. It **replaces** the existing phase revision and already available recipes and workflows will function as expected during execution, i.e. they do not need to be updated manually, the current recipe or workflow versions remain valid.

Prerequisite for MR revisions is a stable and compatible general logic and API of the phase building block. Typically, an MR revision is provided to correct a phase building block.

The MR revision number of a phase building block is provided by the **Internal maintenance version** attribute in phase manager (**mes_PhaseLibManager** form form).

Extended Maintenance Release (MR+) of a phase building block

An MR+ revision of a phase building block is basically identical to an MR revision. However, the code may require a special handling when the MR+ revision is **deployed** in order to replace an existing phase revision (for technical reasons).

MR+ revisions are marked with a plus in the matrix and come with specific installation instructions.

With respect to recipe and workflow authoring and execution, there is no difference to an MR revision as described above (once an MR+ revision has been installed successfully).

Minor or major revision of a phase building block

A minor or major revision of a phase building block is provided when either the phase's functionality has been changed (typically amended) or when code changes were required that render the new phase revision technically incompatible with the existing code (e.g. introduction of a new parameter).

Different minor or major revisions of a phase can **coexist** in a PharmaSuite installation, i.e. they do not replace existing revisions.

With respect to recipe and workflow authoring and execution, this means new minor or major revisions of a phase building block need to be explicitly built into new or updated recipes and workflows. For this purpose, either use the **Change request** function in Recipe and Workflow Designer or manually create new recipes and workflows.

We highly recommend to apply the latest phase building block revision.

EBR Package

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Get Process Value (Master recipe, Workflow)								
■ 2.1 MR6+ (2.1.6.6)	✓	✓	-	-	-	-	-	-
■ 2.1 MR5+ (2.1.5.6)	-	-	✓	-	-	-	-	-
■ 2.1 MR4+ (2.1.4.12)	-	-	-	✓	-	-	-	-
■ 2.1 MR3a (2.1.3.6)	-	-	-	-	-	-	✓	-
■ 2.1 MR3 (2.1.3.11)	-	-	-	-	✓	✓	✓	✓
■ 2.1 MR2 (2.1.2.7)	-	-	-	-	✓	✓	✓	✓
■ 2.1 MR1 (2.1.1.5)	-	-	-	-	✓	✓	✓	✓
■ 2.1 (2.1.0.25)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	✓	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓
Get Text Value (Master recipe, Workflow)								
■ 2.1 MR6 (2.1.6.6)	✓	✓	-	-	-	-	-	-
■ 2.1 MR5+ (2.1.5.6)	-	-	✓	-	-	-	-	-
■ 2.1 MR4+ (2.1.4.12)	-	-	-	✓	-	-	-	-
■ 2.1 MR3a (2.1.3.6)	-	-	-	-	-	-	✓	-
■ 2.1 MR3 (2.1.3.11)	-	-	-	-	✓	✓	✓	✓
■ 2.1 MR2 (2.1.2.7)	-	-	-	-	✓	✓	✓	✓
■ 2.1 MR1 (2.1.1.5)	-	-	-	-	✓	✓	✓	✓
■ 2.1 (2.1.0.25)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	✓	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓
Show Document (Master recipe, Workflow)								
■ 2.0 MR5 (2.0.5.7)	✓	✓	✓	✓	✓	✓	✓	✓
■ 2.0 MR4 (2.0.4.25)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓
Show Instruction Text (Master recipe, Workflow)								
■ 2.0 MR6 (2.0.6.8) *6)	✓	✓	✓	✓	✓	-	-	-
■ 2.0 MR5 (2.0.5.7)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR4 (2.0.4.25)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓

Building Blocks - Compatibility Matrix

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Get Choice Value (Master recipe, Workflow)								
■ 1.0 MR5 (1.0.5.12) *6)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR4 (1.0.4.8)	-	-	-	-	✓	✓	✓	-
■ 1.0 MR3 (1.0.3.11)	-	-	-	-	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.8)	-	-	-	-	✓	✓	✓	✓
Upload Image (Master recipe, Workflow)								
■ 1.0 MR7+ (1.0.7.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR6+(1.0.6.12)	-	✓	✓	✓	-	-	-	-
■ 1.0 MR5 (1.0.5.8)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR4 (1.0.4.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR3 (1.0.3.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR2 (1.0.2.6)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.4)	-	-	-	-	✓	✓	✓	✓
Upload PDF (Master recipe, Workflow)								
■ 1.0 MR6+ (1.0.6.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR5+(1.0.5.12)	-	✓	✓	✓	-	-	-	-
■ 1.0 MR4 (1.0.4.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR3 (1.0.3.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR2 (1.0.2.6)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.4)	-	-	-	-	✓	✓	✓	✓
Show URL (Master recipe, Workflow)								
■ 1.0 MR2(1.0.2.7)	✓	✓	✓	✓	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.4)	-	-	-	-	✓	✓	✓	✓

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Identify Material (Master recipe)								
■ 5.0 MR4 (5.0.4.6)	✓	-	-	-	-	-	-	-
■ 5.0 MR3(5.0.3.12)	-	✓	✓	✓	-	-	-	-
■ 5.0 MR2 (5.0.2.11) (required to process recipes created prior to PS 7.1)	-	-	-	-	✓	✓	✓	-
■ 5.0 MR1 (5.0.1.7)	-	-	-	-	-	-	-	✓
■ 5.0 (5.0.0.10)	-	-	-	-	-	-	-	✓
■ 2.0 MR4 (2.0.4.25)	-	-	-	-	-	-	-	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	-	-	-	-	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	-	-	-	✓
Produce Material (Master recipe)								
■ 5.0 MR4 (5.0.4.6)	✓	-	-	-	-	-	-	-
■ 5.0 MR3(5.0.3.12)	-	✓	✓	✓	-	-	-	-
■ 5.0 MR2 (5.0.2.11)	-	-	-	-	✓	✓	✓	✓
■ 5.0 MR1 (5.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 5.0 (5.0.0.10)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR4 (2.0.4.25)	✓	✓	✓	✓	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓
Account Material (Master recipe)								
■ 5.1 (5.1.0.6)	✓	-	-	-	-	-	-	-
■ 5.0 MR3(5.0.3.12)	✓	✓	✓	✓	-	-	-	-
■ 5.0 MR2 (5.0.2.11)	-	-	-	-	✓	✓	✓	✓
■ 5.0 MR1 (5.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 5.0 (5.0.0.10)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR4 (2.0.4.25)	✓	✓	✓	✓	✓	✓	✓	✓
■ 2.0 MR3 (4.0.0.12)	-	-	-	-	✓	✓	✓	✓
■ 2.0 MR2 (3.1.1.5) *1)	-	-	-	-	✓	✓	✓	✓

Building Blocks - Compatibility Matrix

Dispense Package

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
D Identify Material (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	✓	-	✓	✓
D Select Scale (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	✓	-	✓	✓

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
D Tare (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	✓	-	✓	✓
D Weigh (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	✓	-	✓	✓

Building Blocks - Compatibility Matrix

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
D Release Scale (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	✓	-	✓	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	✓	-	✓	✓
D Print Report (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 3.0 MR2 (3.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 3.0 MR1 (3.0.1.8)	-	-	-	-	✓	-	-	-
■ 3.0a (3.0a.0.3)	-	-	-	-	-	✓	-	-
■ 3.0 (3.0.0.11)	-	-	-	-	✓	-	✓	-
■ 2.0 MR4 (2.0.4.11) (required to process recipes created prior to PS 7.1)	-	-	-	-	-	-	✓	-
■ 2.0 MR3 (2.0.3.7)	-	-	-	-	-	-	-	✓
■ 2.0 MR2 (2.0.2.7)	-	-	-	-	-	-	-	✓
■ 2.0 MR1 (2.0.1.4)	-	-	-	-	-	-	-	✓

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
D Define Order (Workflow)								
■ 2.0 MR2 (2.0.2.6)	✓	-	-	-	-	-	-	-
■ 2.0 MR 1+ (2.0.1.6)	-	✓	✓	-	-	-	-	-
■ 2.0 (2.0.0.11)	-	-	-	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	✓	✓	✓	✓	✓
■ 1.0 (1.0.0.4)	-	-	-	-	✓	✓	✓	✓
D Edit BOM (Workflow)								
■ 2.0 MR2+ (2.0.2.6)	✓	-	-	-	-	-	-	-
■ 2.0 MR1+ (2.0.1.6)	-	✓	✓	-	-	-	-	-
■ 2.0 (2.0.0.11)	-	-	-	✓	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	✓	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.4)	-	-	-	-	✓	✓	✓	✓
D Dispatch Order (Workflow)								
■ 2.0 MR2 (2.0.2.6)	✓	-	-	-	-	-	-	-
■ 2.0 MR1+ (2.0.1.6)	-	✓	✓	-	-	-	-	-
■ 2.0 (2.0.0.11)	-	-	-	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	✓	✓	✓	✓	✓
■ 1.0 (1.0.0.4)	-	-	-	-	✓	✓	✓	✓
D Release Order (Workflow)								
■ 2.0 MR2 (2.0.2.6)	✓	-	-	-	-	-	-	-
■ 2.0 MR1+ (2.0.1.6)	-	✓	✓	-	-	-	-	-
■ 2.0 (2.0.0.11)	-	-	-	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	✓	✓	✓	✓	✓
■ 1.0 (1.0.0.4)	-	-	-	-	✓	✓	✓	✓
O Manage Produced Material (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.8)	-	-	-	-	✓	-	-	-
■ 1.0 (1.0.0.11)	-	-	-	-	✓	✓	✓	-

Building Blocks - Compatibility Matrix

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
O Select Scale (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.X)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.8)	-	-	-	-	✓	-	-	-
■ 1.0 (1.0.0.11)	-	-	-	-	✓	✓	✓	-
O Identify Container (Master recipe)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
O Tare (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.8)	-	-	-	-	✓	-	-	-
■ 1.0 (1.0.0.11)	-	-	-	-	✓	✓	✓	-
O Weigh (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.8)	-	-	-	-	✓	-	-	-
■ 1.0 (1.0.0.11)	-	-	-	-	✓	✓	✓	-

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
O Release Scale (Master recipe) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.12) (required to process recipes created prior to PS 8.1)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.8)	-	-	-	-	✓	-	-	-
■ 1.0 (1.0.0.11)	-	-	-	-	✓	✓	✓	-
Get Weight (Master recipe, Workflow) *3)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-
■ 5.1 (5.1.0.6)	✓	✓	-	-	-	-	-	-
■ 5.0 MR1+ (5.0.1.6)	✓	✓	✓	-	-	-	-	-
■ 5.0 (5.0.0.12)	-	-	-	✓	-	-	-	-
Show GHS Data (Master recipe, Workflow)								
■ 5.2 (5.2.0.6)	✓	-	-	-	-	-	-	-

Equipment Tracking Package

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Identify Equipment (Master recipe, Workflow)								
■ 2.0 MR1 (2.0.1.6) *6)	✓	✓	-	-	-	-	-	-
■ 2.0 (2.0.0.6)	-	-	✓	-	-	-	-	-
■ 1.1 MR1 (1.1.1.12) *5)	✓	✓	✓	✓	-	-	-	-
■ 1.1 (1.1.0.8)	-	-	-	-	✓	-	-	-
■ 1.0 MR3 (1.0.3.8) (required to process recipes and workflows created prior to PS 8.0)	-	-	-	-	✓	-	-	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	-	✓	✓	✓
■ 1.0 MR1 (1.0.1.4)	-	-	-	-	-	-	✓	✓
■ 1.0 (1.0.0.9) *2)	-	-	-	-	-	-	✓	✓

Building Blocks - Compatibility Matrix

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Change Equipment Status (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.12)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR3 (1.0.3.8)	-	-	-	-	✓	-	-	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9) *2)	-	-	-	-	✓	✓	✓	✓
Trigger Graph Transition (Master recipe, Workflow)								
■ 2.0 (2.0.0.6) *6)	✓	✓	✓	-	-	-	-	-
■ 1.0 (1.0.0.12) *5)	✓	✓	✓	✓	-	-	-	-
Unbind Equipment (Master recipe, Workflow)								
■ 2.0 MR1+ (2.0.1.6) *6)	✓	✓	-	-	-	-	-	-
■ 2.0 (2.0.0.6)	-	-	✓	-	-	-	-	-
■ 1.0 MR2 (1.0.2.12) *5)	✓	✓	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Separate Equipment (Master recipe, Workflow)								
■ 1.0 (1.0.0.6)	✓	✓	✓	-	-	-	-	-

Equipment Automation Package

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Get OPC Values (Master recipe, Workflow)								
■ 1.0 MR3 (1.0.3.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR2+ (1.0.2.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR1+ (1.0.1.6)	-	-	✓	-	-	-	-	-
■ 1.0 (1.0.0.12)	-	-	-	✓	-	-	-	-

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Set OPC Values (Master recipe, Workflow)								
■ 1.0 MR3 (1.0.3.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR2 (1.0.2.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR1+ (1.0.1.6)	-	-	✓	-	-	-	-	-
■ 1.0 (1.0.0.12)	-	-	-	✓	-	-	-	-
Get Numeric Property (Master recipe, Workflow)								
■ 1.0 MR3 (1.0.3.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Get String Property (Master recipe, Workflow)								
■ 1.0 MR2 (1.0.2.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Get Boolean Property (Master recipe, Workflow)								
■ 1.0 MR2 (1.0.2.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Get Properties (Master recipe, Workflow)								
■ 1.0 MR3 (1.0.3.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Set Numeric Properties (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR3 (1.0.3.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR2 (1.0.2.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Set String Properties (Master recipe, Workflow)								
■ 1.0 MR2 (1.0.2.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓

Building Blocks - Compatibility Matrix

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Set Boolean Properties (Master recipe, Workflow)								
■ 1.0 MR2 (1.0.2.11)	-	✓	✓	✓	✓	✓	✓	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Monitor Numeric Value (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.8)	✓	✓	✓	✓	✓	-	-	-
■ 1.0 MR3 (1.0.3.11)	-	-	-	-	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	✓	✓	✓	✓
Get Alarms (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.8)	✓	✓	✓	✓	✓	-	-	-
■ 1.0 MR3 (1.0.3.11)	-	-	-	-	-	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	-	✓	✓	✓
■ 1.0 MR1 (1.0.1.10)	-	-	-	-	-	✓	✓	✓
■ 1.0 (1.0.0.9)	-	-	-	-	-	✓	✓	✓
Show Historical Data Chart (Master recipe, Workflow)								
■ 1.0 MR5+ (1.0.5.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR4+ (1.0.4.6)	-	✓	✓	-	-	-	-	-
■ 1.0 MR3 (1.0.3.12)	-	-	-	✓	-	-	-	-
■ 1.0 MR2 (1.0.2.8)	-	-	-	-	✓	-	-	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.10)	-	-	-	-	✓	✓	✓	✓

IPC Package

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Get Values (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR3 (1.0.3.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR2 (1.0.2.12)	-	-	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.10)	-	-	-	-	✓	✓	✓	✓
Show Values (Master recipe, Workflow)								
■ 1.0 MR4 (1.0.4.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR3 (1.0.3.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR2 (1.0.2.12)	-	-	✓	✓	-	-	-	-
■ 1.0 MR1 (1.0.1.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.10)	-	-	-	-	✓	✓	✓	✓
Time-based Trigger (Master recipe, Workflow)								
■ 1.0 MR5 (1.0.5.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR4 (1.0.4.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR3 (1.0.3.11)	-	-	✓	✓	✓	✓	✓	-
■ 1.0 MR2 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.1)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.10)	-	-	-	-	✓	✓	✓	✓
Counter-based Trigger (Master recipe, Workflow)								
■ 1.0 MR5 (1.0.5.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR4 (1.0.4.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR3 (1.0.3.11)	-	-	✓	✓	✓	✓	✓	-
■ 1.0 MR3 (1.0.2.7)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1A (1.0.1a.3)	-	-	-	-	✓	✓	✓	✓
■ 1.0 MR1 (1.0.1.1)	-	-	-	-	✓	✓	✓	✓
■ 1.0 (1.0.0.10)	-	-	-	-	✓	✓	✓	✓

Building Blocks - Compatibility Matrix

DCS Package *4)

	PharmaSuite							
	8.4	8.3	8.2	8.1	8.0	7.1 MR1	7.1	7.0
Create DCS Batch (Master recipe, Workflow)								
■ 1.0 MR1+ (1.0.1.6)	✓	-	-	-	-	-	-	-
■ 1.0 (1.0.0.6)	-	✓	✓	-	-	-	-	-
Get DCS Batch Values (Master recipe, Workflow)								
■ 1.0 MR1+ (1.0.1.6)	✓	✓	-	-	-	-	-	-
■ 1.0 (1.0.0.6)	-	-	✓	-	-	-	-	-
Get DCS Alarms (Master recipe, Workflow)								
■ 1.0 MR3+ (1.0.3.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR2 (1.0.2.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR1+ (1.0.1.6)	-	-	✓	-	-	-	-	-
■ 1.0 (1.0.0.12)	-	-	-	✓	-	-	-	-
DCS Alarm-based Trigger (Master recipe, Workflow)								
■ 1.0 MR3 (1.0.3.6)	✓	-	-	-	-	-	-	-
■ 1.0 MR2 (1.0.2.6)	-	✓	-	-	-	-	-	-
■ 1.0 MR1 (1.0.1.6)	-	-	✓	-	-	-	-	-
■ 1.0 (1.0.0.12)	-	-	-	✓	-	-	-	-

Legend

x.x	The revision and build numbers of newly released phase building blocks are formatted dark red .
*1)	Phase building blocks still run if the system has been upgraded to PharmaSuite 4.0 or higher. However, the related phase-specific Maintenance Release (MR) cannot be deployed unless a new building block installer that is supported by PharmaSuite 4.0 or higher has been built. For installation guidance, refer to: "Technical Manual Installation - Building Block", Publication no. FTPSBB-IN002A-EN-E
*2)	Phase building blocks do not support runtime properties and flexible rules as part of the equipment requirement definition of a recipe or workflow. For installation guidance, refer to: "Technical Manual Installation - Building Block", Publication no. FTPSBB-IN003A-EN-E
*3)	For the qualification status of the system building blocks, please refer to "Upgrade-related Topics" in "PharmaSuite 8.4 - Release Notes".
*4)	The phase building blocks of PharmaSuite 8.4 are compatible with the DCS Adapter V2.1. The phase building blocks of PharmaSuite 8.3 and 8.2 require the DCS Adapter V2.0. The phase building blocks of PharmaSuite 8.1 require the DCS Adapter V1.0.
*5)	The phase building blocks cannot be used with an equipment entity that is a member of an equipment entity group (introduced with PS 8.2).
*6)	The phase building blocks are also available in the Dispense package. For details, see "Content of PharmaSuite 8.4 Building Block Packages" (page 17).

For installation guidance, refer to "Technical Manual Installation - Building Block" included with the corresponding building block package.

The building block build number is provided by the **Internal maintenance version** attribute in phase manager (**mes_PhaseLibManager** form).

The **Hidden Phase (RS) [1.0]** and **Server-run Hidden Phase (RS) [1.0]** phases are not part of any building block package. They are part of the PharmaSuite core system and thus compatible with the PharmaSuite release with which they have been installed or updated.

Building Blocks - Compatibility Matrix

Content of PharmaSuite 8.4 Building Block Packages

The following tables show the PharmaSuite Building Block packages, their versions and the content of the current release.

EBR Package: 11.01.00

Get Process Value: 2.1 MR6+	Get Text Value: 2.1 MR6
Show Document: 2.0 MR5	Show Instruction Text: 2.0 MR6
Get Choice Value: 1.0 MR5	Upload Image: 1.0 MR7+
Upload PDF: 1.0 MR6+	Show URL: 1.0 MR2
Identify Material: 5.0 MR4	Produce Material: 5.0 MR4
Account Material: 5.1	

Dispense Package: 10.01.00

D Identify Material: 5.2	D Select Scale: 5.2
D Tare: 5.2	D Weigh: 5.2
D Release Scale: 5.2	D Print Report: 5.2
D Define Order: 2.0 MR2	D Edit BOM: 2.0 MR2+
D Dispatch Order: 2.0 MR2	D Release Order: 2.0 MR2
O Manage Produced Material: 5.2	O Select Scale: 5.2
O Identify Container: 5.2	O Tare: 5.2
O Weigh: 5.2	O Release Scale: 5.2
Get Weight 5.2	Show GHS Data: 5.2
Get Choice Value: 1.0 MR5	Show Instruction Text: 2.0 MR6
Identify Equipment: 2.0 MR1	Trigger Graph Transition: 2.0
Unbind Equipment: 2.0 MR1+	

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Equipment Tracking Package: 9.01.00

Identify Equipment: 2.0 MR1	Change Equipment Status: 1.0 MR4
Trigger Graph Transition: 2.0	Unbind Equipment: 2.0 MR1+
Separate Equipment: 1.0	

Equipment Automation Package: 11.01.00

Get OPC Values: 1.0 MR3	Set OPC Values: 1.0 MR3
Monitor Numeric Value: 1.0 MR4	Get Alarms: 1.0 MR4
Show Historical Data Chart: 1.0 MR5+	

IPC Package: 5.01.00

Get Values: 1.0 MR4	Show Values: 1.0 MR4
Time-based Trigger: 1.0 MR5	Counter-based Trigger: 1.0 MR5

DCS Package: 4.01.00

Create DCS Batch: 1.0 MR1+	Get DCS Batch Values: 1.0 MR1+
Get DCS Alarms: 1.0 MR3+	DCS Alarm-based Trigger: 1.0 MR3