

MobiVue PMMS

Ajanta Pharma Ltd.

Functional Specification

Document (WMS_WEIGHING

BALANCE CALIBRATION &

VERIFICATION)

This document includes the functional and non- functional requirements for specification of the application designed for Ajanta Pharma.

Prepared By: Leena

Version Number: 1.0

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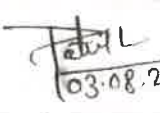
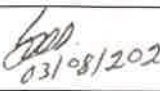
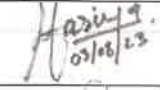

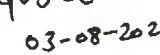
REVISION HISTORY

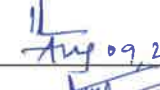


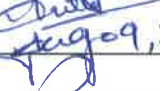
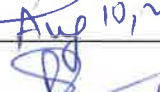

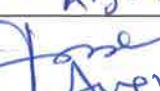

Revision Number	Date	Prepared By	Reviewed By	Comment
00	22.05.2023	Leena Patil	Sailendra Das	Functional & Design Specification document

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1 PROTOCOL APPROVAL

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	Name	Department	Designation	Sign & Date
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Reviewed By	Abhejith Dutt	IT	Sr. Executive	 Aug 09, 2023
Reviewed By	Vipul Bhojraj	QA	Sr. Manager	 Aug 10, 2023
Reviewed By	Rahul Das	WH	Sr. Manager	 Aug 10, 2023
Reviewed By	Nakul Kumar Binjha	QA	Asst. Manager	 Aug 10, 2023
Approved By	Purnanand	QA	DCM	 Aug 11, 2023

2 INTRODUCTION

The purpose of this document is to list down all the system function solutions for the business need identified by the user.

3 OBJECTIVE

The Functional Specification Document is a document that provides detailed information on how the system solution will function and the requested behavior. The document is created based on the requirements identified by the user.

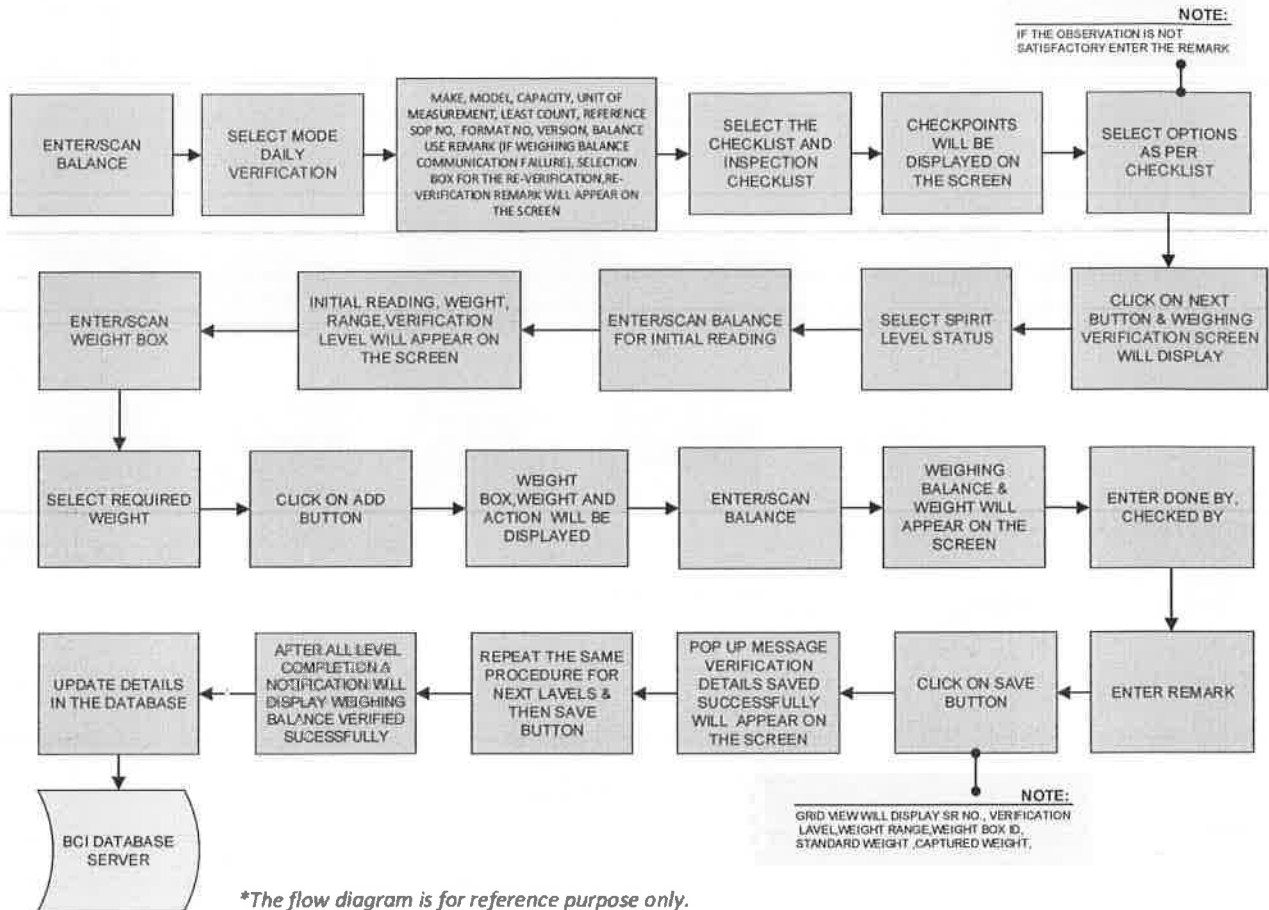
4 SCOPE

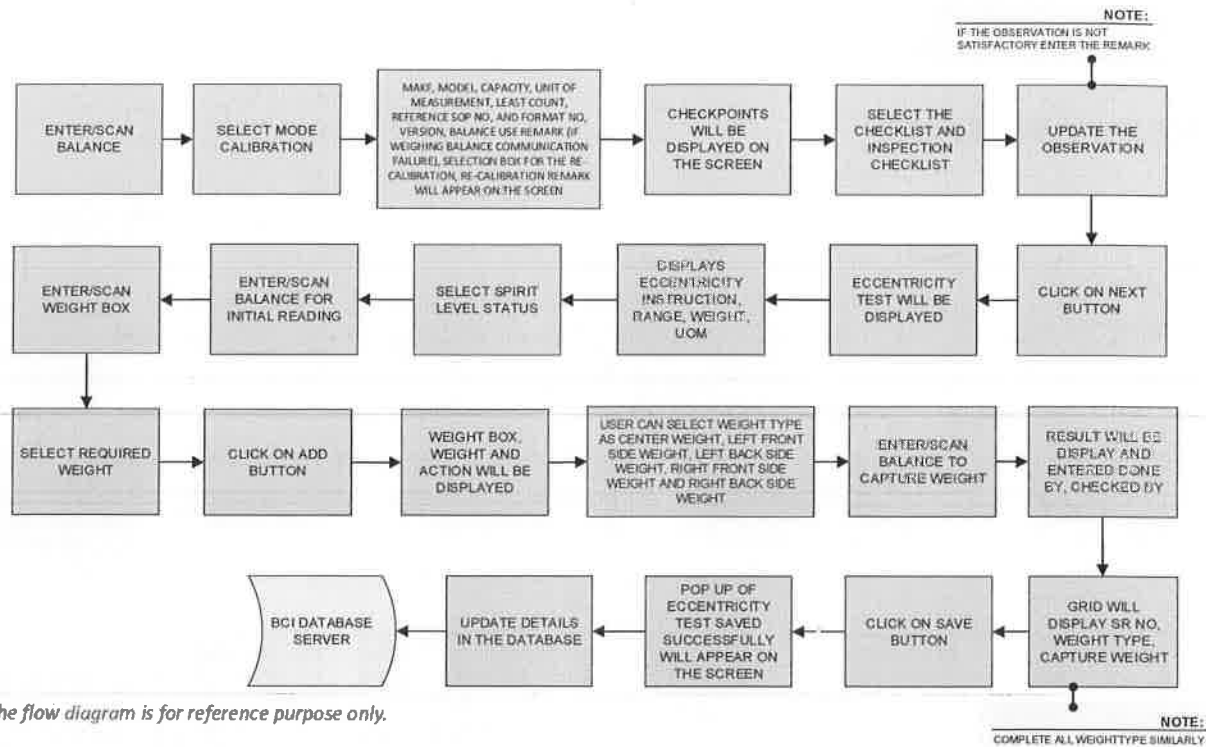
This document will contain the functional details of the Mobivue PMMS system (Module-Weighing Balance Calibration & Verification).

5 WEIGHING CALIBRATION & VERIFICATION

Activities

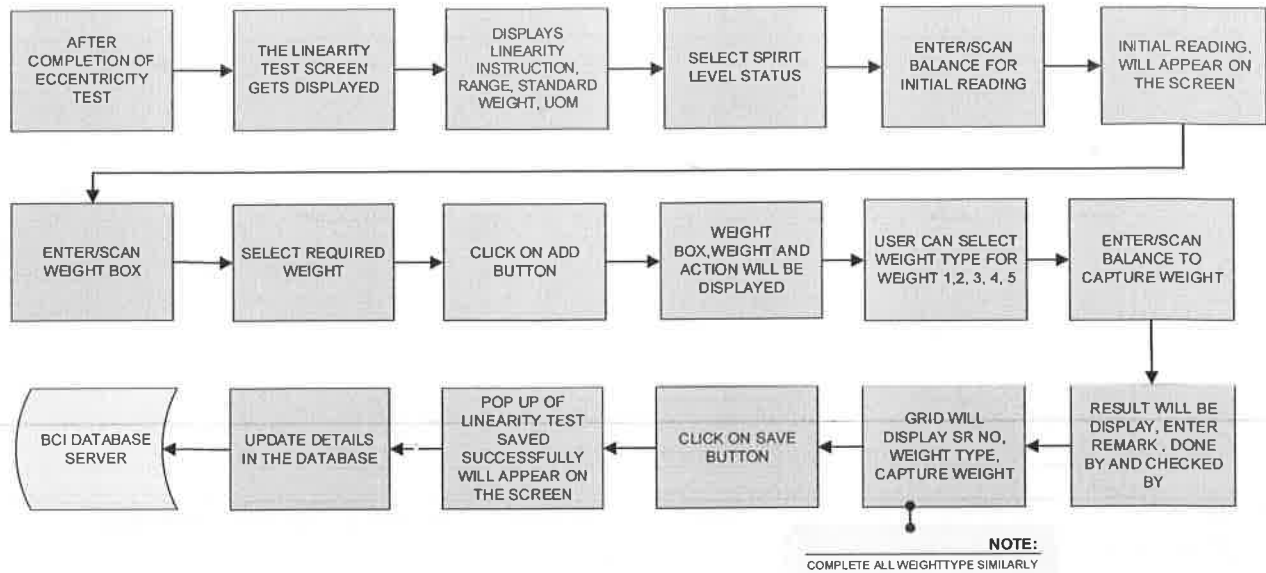
FOR DAILY VERIFICATION



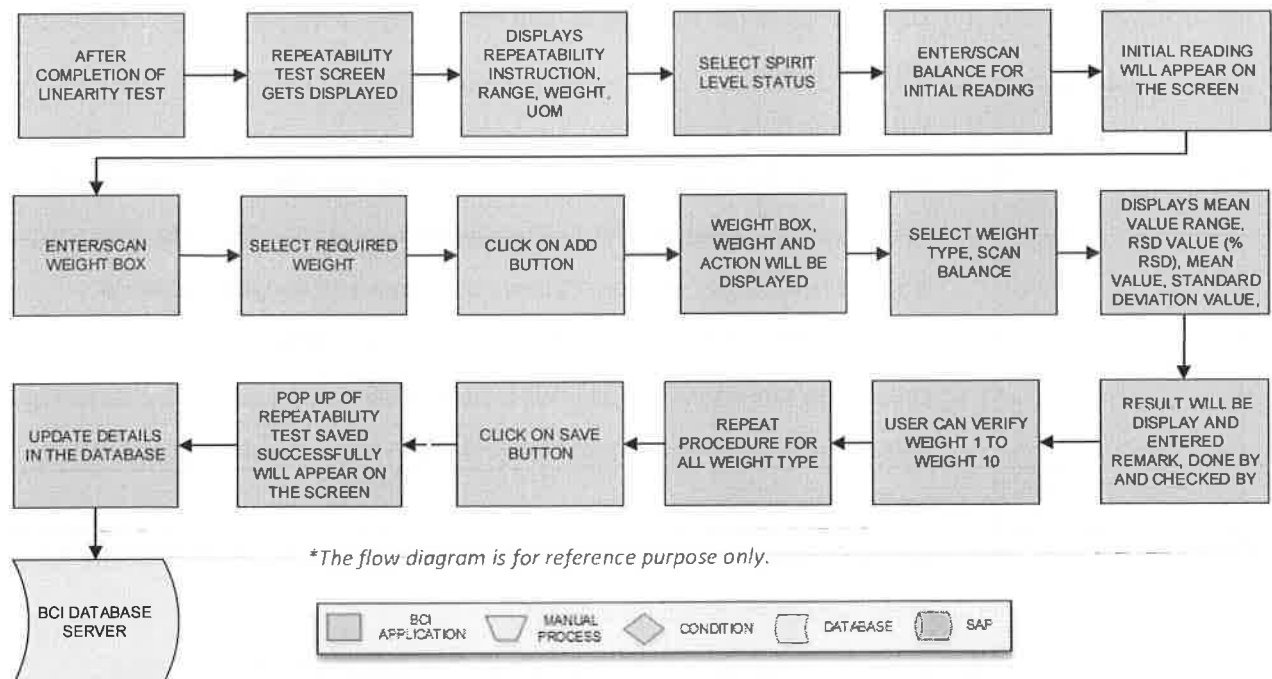
FOR MONTHLY - ECCENTRICITY

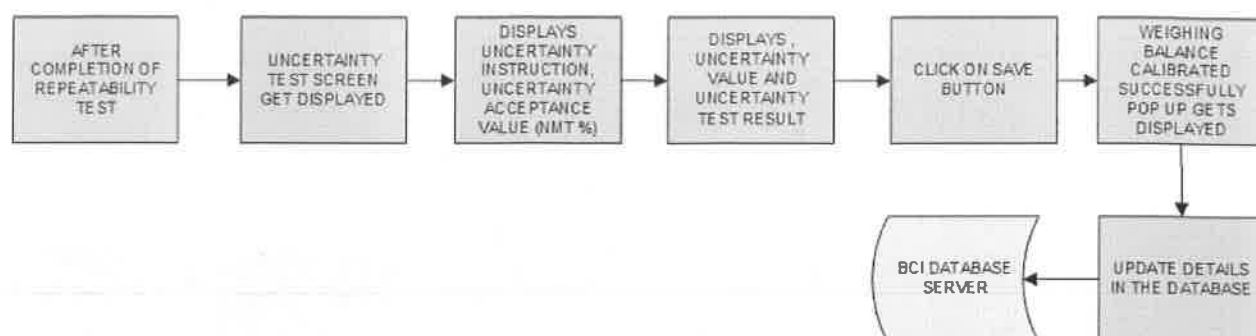
*The flow diagram is for reference purpose only.



FOR MONTHLY - LINEARITY

*The flow diagram is for reference purpose only.

**FOR MONTHLY - REPEATABILITY**

FOR MONTHLY - UNCERTAINTY

*The flow diagram is for reference purpose only.



Module Description	This module will be used for weighing balance verification and calibration.
Pre-Conditions	1. Weighing Balance, Standard weight box, standard weight master should available.
Process Steps	<ol style="list-style-type: none"> 1. User will login into Application and click on the weighing balance calibration and verification. 2. Enter/Scan Balance ID. 3. Select Mode from the dropdown. (Daily Verification/Monthly calibration). 4. Make, Model, Capacity, Unit of Measurement, Least Count, Reference SOP No, and Format No, Version, Balance use remark (if weighing balance communication failure), Selection box of the re- calibration and Re-calibration remark will be displayed during calibration process and Selection box of the Re-Verification and Re-Verification remark will displayed during verification process. 5. Re verification/Re-calibration remark entry required compulsory at the time of Re - verification and Re-calibration. 6. During Calibration grid display such as Checkpoints, Eccentricity Test, Linearity Test, Repeatability Test and Uncertainty Test. 7. During Verification grid display such as Checkpoints and Weighing verification.

8. Select the Checklist type and Inspection Checklist from the dropdown during calibration and verification.
9. Update the checklist option as per observation.
*If observation found is not satisfactory then user can add remark & system should not proceed further.
10. Click on Next button.
(In case of Monthly calibration next screen Eccentricity Test will open and if verification next screen weighing verification will display.)
11. User can use clear button to clear all the entries and by clicking on the close button will return to the main screen.
- For Daily verification: -**
12. Frequency mode will display as daily. (This will be based on the mode selection in Weighing balance Master)
13. Update checklist option as per observation and click next button, next screen in the grid view weighing Verification will be selected automatically.
14. Option available for spirit level bubbles i.e. Center point and out of center point.
15. Scan balance for the initial balance reading, the initial reading of the balance will be capture.
16. Verification level, weight, range will be displayed.
17. Scan the standard weight box and select the required weight.
18. Click on the add button. (As per requirement user can use multiple standard weight box and weight by using the add) Grid view will display of weight box, weight and action.
19. Based on selection weight box ID and standard weight will be display in grid.
20. User can delete the weight box entry by click on delete option available in action.
21. Scan the Balance, Weight and Weighing Balance Code will be displayed.
22. Enter Done by and Checked by and Remark and click Save button.
23. Details will save in the data base.
24. Grid view display as SR No., Verification level, weight, range, weight Box ID, Standard weight, captured weight.

25. Repeat the same procedure for the level 2 and level 3 verification.
26. After completion of all verification level, weighing balance verified successfully pop-up will display on the screen.
27. User can use clear button to clear all the entries and by clicking on the close button will return to the main screen.
- For Monthly Calibration: -**
28. Frequency mode will display as Monthly. (This will be based on the mode selection Weighing Balance Master)
29. Based on the balance master Eccentricity Test, Linearity Test, Repeatability, Uncertainty Test will display.
30. Update checklist option as per observation and click next button, next screen in the grid view Eccentricity Test will be display automatically.
- Eccentricity: -**
31. In eccentricity, details will display as Eccentricity instruction, Range, Weight, Unit of measurement.
32. Selection option available for spirit level bubbles i.e. Center point and out of center point.
33. Enter/Scan balance for capturing the initial reading.
34. Scan weight box and select the required standard weights, after selection of the standard weights click on the add button. (User can add multiple standard weight box)
35. Grid view appear with weight box, weight and action.
36. User can delete the weight box entry by click on delete icon available in action.
37. For the eccentricity test user can select weight type as Center Weight, Left Front Side Weight, Left Back Side Weight, Right Front Side Weight and Right Back Side Weight.
38. Scan the balance to capture the weight.
39. Result will be display and entered done by, checked by.
40. Grid view will display column of Sr. No, Weight type, Capture Weight and row of 1- Center weight ,2- left front side weight, 3- right front side weight 4- Left back side weight and 5- right back side weight.

41. Click on save to update details in data base, Eccentricity test saved successfully pop-up will be displayed and linearity test screen will open.
42. User can use clear button to clear all the entries and by clicking on the close button will return to the main screen.

Linearity: -

43. In Linearity below details will view Linearity instruction, Range, Standard Weight, Unit of measurement.
44. Option available for spirit level bubbles i.e. Center point and out of center point.
45. Scan balance for capturing the initial reading.
46. Scan weight box and select the weights and click on the add button. (User can use multiple standard weight box)
47. Grid view will appear for the weight box, weight and action.
48. User can delete the weight box entry by click on delete icon available in action and re scan the weight box required for weight 2, weight 3, weight 4 and weight 5.
49. For linearity test user can select weight type as weight 1, weight 2, weight 3, weight 4 and weight 5.
50. Scan the balance to capture the weight.
51. Result will be display and entered done by, checked by.
52. Grid will display column of Sr. No., Weight type, Capture Weight and row of 1- weight 1, 2- weight 2, 3- weight 3, 4- weight 4 and 5- weight 5.
53. Click on save to update details in data base, Linearity test saved successfully pop-up will be displayed and Repeatability test screen will open.
54. User can use clear button to clear all the entries and by clicking on the close button will return to the main screen.

Repeatability Test :-

55. In Repeatability Test below details will view Repeatability instruction, Range, Weight, Unit of measurement.
56. Option available for spirit level bubbles i.e. Center point and out of center point.
57. Scan balance for capturing the initial reading,

	<p>58. Scan weight box and select the weights and click on the add button. (User can use multiple standard weight box)</p> <p>59. Grid view will appear for the weight box, weight and action.</p> <p>60. User can delete the weight box entry by click on delete option available in action</p> <p>61. Select weight type then Scan balance, Weight value auto captured.</p> <p>62. Details will be display in the screen as below mean value range, RSD value (% RSD), Mean value, standard deviation value, Remark and result available.</p> <p>63. For the repeatability test user can verify weight 1, weight 2, weight 3, weight 4, weight 5, weight 6, weight 7, weight 8, weight 9 and weight 10.</p> <p>64. Repeat the procedure for all the weight type.</p> <p>65. Result will be display and entered done by, checked by.</p> <p>66. Click on save to update details in data base, Repeatability test saved successfully pop-up will be displayed and Uncertainty test screen will open.</p> <p>67. User can use clear button to clear all the entries and by clicking on the close button will return to the main screen.</p> <p>Uncertainty: -</p> <p>68. After completion of the repeatability test, the uncertainty Test screen display.</p> <p>69. This screen contains Uncertainty Instruction, Uncertainty Acceptance Value (NMT %), Uncertainty Value and Uncertainty Test result.</p> <p>70. Click on the save to update details in the data base and Weighing balance calibrated successfully pop up will display.</p> <p>71. By click on the clear button user can clear all the data of the screen and by click on the close button user can return to the main screen.</p>
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Post-Conditions	1. Weighing Balance calibration and Verification is completed.
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Validations	<p>1. An alert should be displayed in case of invalid Balance is scanned.</p> <p>2. An alert should be displayed in case of invalid Mode and Weight is selected.</p> <p>3. An alert should be displayed in case of invalid Weight Box is scanned.</p> <p>4. An alert should be displayed in case of Initial reading will not set to zero.</p>
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|--|---|
| | 5. If result shows failed, an alert should be displayed of Weighing Balance not calibrated /Verified. |
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