Title:	CLUWE Web Tool Validation Release Summary Report Release 3.0

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TITLE: CLINICAL USER WORKING ENVIRONMENT (CLUWE) WEB TOOL VALIDATION RELEASE SUMMARY REPORT RELEASE 3.0

REVIEWERS

Your electronic signature indicates that you have reviewed this document and that for your area of expertise, agree it is accurate and complete.

- **Business Subject Matter Expert (SME)**
- **IT SME**
- **Quality Consultant**
- **Test Lead**

APPROVERS

System Custodian

Your electronic signature attests that the appropriate persons involved in the validation process reviewed the document to ensure the report is accurate and complete and that the system is ready for production use.

System Owner

Your electronic signature attests that all activities specified in the validation plan have either been completed or documented in the report as outstanding issues with accompanying action plans, you understand the risks associated with all outstanding issues and that the system is ready for production use.

Computer System Quality Assurance Representative

Your electronic signature attests that this document complies with Corporate Computer Systems (CCS) Lilly Quality Standards and Practices.

TITLE: CLINICAL USER WORKING ENVIRONMENT (CLUWE) WEB TOOL VALIDATION RELEASE SUMMARY REPORT RELEASE 3.0

PURPOSE

This Validation Report for the Clinical User Working Environment (CLUWE) Web Tool system summarizes completion of validation activities for this specific release. The completion of this document, with appropriate signatures, indicates that the system is validated and satisfies the validation requirements as defined by Lilly Quality Standard*: Computer Systems and Electronic Records; Electronic Signatures* (LQS 302) and as outlined in the Validation Plan for this system.

SCOPE

Validation of Clinical User Working Environment (CLUWE) Web Tool as defined in CHG1074979.

ACRONYMS AND DEFINITIONS

The terms and acronyms in this document are defined at their first occurrence.

DOCUMENT REVISION HISTORY

Version	Revision Date	Reason for Revision (Include CR# if Applicable)	Revised By, Title
0	16-Jun-2017	New Document for CHG1074979	Christopher Sheppard, Quality Consultant

Table of Contents

1.   RELEASE SUMMARY

1.1   Summary of changes made

The list of changes made for this release is:

- Program Status displayed – tells where the program is in the process
- Notifications added – ability to receive notification of program completions by either e-mail or text
- Scheduling tab updates – a variety of cosmetic changes to make the scheduling tab more easily consumable
- Schedule errors – now check for common errors for scheduling including file existence and special character recognition
- Capture user SID on sign on – pulls user SID from AD and stores in database
- Capture failed versioning attempts when performed through an interface

1.2   Configuration Impacted

Configuration details are contained within the source code reviews in HP ALM.

1.3   Code Modules Modified

Modified Code modules are detailed within the source code reviews in HP ALM.

2.   VALIDATION SUMMARY

2.1   Validation Deliverables

A review of the completed base validation deliverables was conducted by the quality representative.

Following is a list of the approved deliverables for this release.

Validation Deliverable	Verified By	Location
Source Code Review	Christopher Sheppard	HP ALM
Validation Release Summary Report (this document)	N/A	N/A

The following deliverables were updated and reviewed as part of this release:

Validation Deliverable	Verified By	Location
Requirements (User Stories)	Christopher Sheppard	HP ALM
Design Specifications	Christopher Sheppard	Regulus
Test Cases/Scripts	Christopher Sheppard	HP ALM, Regulus
Security Plan	Christopher Sheppard	Regulus
Security Administration SOP	Christopher Sheppard	Regulus
System Administration and Support SOP	Christopher Sheppard	Regulus
Traceability Matrix	Christopher Sheppard	HP ALM

2.2   Risk Status

No additional risks were identified during the validation activities of this release. The overall risk level is unchanged.

2.3   Departures from the Master Validation Plan for this Release

There were no departures from the master validation plan.

2.4   Outstanding Issues

There are no outstanding validation issues.

2.5   Validation Status

Clinical User Working Environment (CLUWE) Web Tool is now validated and ready for production use

3.   TEST SUMMARY

Testing activities were performed in accordance with the *CLUWE Web Tool Master Validation and Test Plan*. The overall results of all levels of testing have passed with noted problems. The problems noted are documented in the Test Problem Report Summary section. These problems do not affect the reliability of the system or accuracy of the information the system handles, and they do not put the business process at risk.

3.1   Test Environment

Testing was conducted in the planned Quality Assurance (QA) environment as documented in the *CLUWE Web Tool Master Validation and Test Plan.*

3.2   System configuration Used for Testing

CLUWE Web Tool was hosted in the QA environment. The following URL was used for Testing:

- Formal Testing: https://cluwe-q.am.lilly.com
- Informal Testing: https://cluwe-d.am.lilly.com

3.3   Test Levels Executed

The following table describes levels of testing executed during the development and testing of Release 2.1.

Test Level	Environment	Date Completed	Execution Summary / Overall Results
Unit	Development	5/12/17	Testing was completed by development team and results were not documented and defects were not tracked.
System	Quality Assurance	6/8/17	Testing was completed by IT Testing team and results were documented Formally in HP ALM and defects were also tracked in HP ALM.
Acceptance	Quality Assurance	6/8/17	User Acceptance Testing was performed by Business Team in QA environment. The final runs of UAT results were uploaded in Regulus and approved by Business Team. Defects were tracked in HP ALM.

Test Level	Environment	Date Completed	Execution Summary / Overall Results
Regression	Quality Assurance	6/9/2017	Regression testing was performed by IT Testing team and results were formally documented in HP ALM and defects were tracked in HP ALM.

3.4   Test Documents Executed

The following table lists the test cases that were executed during Formal System Testing, Regression Testing and User Acceptance Testing. Additional details of System Testing and Regression Testing were available in the Test Lab module of HP ALM and User Acceptance details were available in Regulus.

- Overall execution status indicates whether the cumulative test runs of the test cases passed or failed.
- Summary status indicates the status of post execution reviews of test runs of the test case.

System Testing:

Test Lab -> CLUWE -> CLUWE_Milestone 3_R3.0 -> Formal_CLUWE_System Level Testing Release 3.0

Test Levels	Test: Test Name	Overall Execution Status	Summary Status	Execution Comments
System Testing	TS36 - Job Scheduling UI Changes	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS37 - File Existence_Rename	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS38 - File Existence_Delete	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS39 - File Existence_Future delete	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS40 - File Existence_Future Rename	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS41 - User ID tracking_Database	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS42 - Unsupported Characters	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS43 - Emailing_Status_Completed	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS44 - NoEmail_Reschduld_Cancelled	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS45 - Email_Resch_Completed_Failed	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS46 - Email_With_Exception	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS47 -Email_Status_Running	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS48 - No Text_Status Cancelled	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS49- No Text_rescheduled Cancelled	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS50 - Text Received-Reschedule Complete	Passed	8-Approval Complete	Test Case was executed successfully

Test Levels	Test: Test Name	Overall Execution Status	Summary Status	Execution Comments
System Testing	TS51 - Phone Number_updated	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS52- Email_texting Both	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS53 - Texting_Status_Running	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS54 - Version_Failure	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS55 - E-signature meaning	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS56 - E-signatire meaning Audit Trail	Passed	8-Approval Complete	Test Case was executed successfully
System Testing	TS57 - E-signature meaning negative	Passed	8-Approval Complete	Test Case was executed successfully

Regression Testing:

Test Lab -> CLUWE -> CLUWE_Milestone 3_R3.0 -> Formal_CLUWE_Regression Testing Release 3.0

Test Level	Test Name	Overall Execution Status	Summary Status	Execution Comments
Regression Testing	TS01 - Regression_LIP	Passed	8-Approval Complete	Test Case was executed successfully
Regression Testing	TS02 - Info_Favourites	Passed	8-Approval Complete	Test Case was executed successfully
Regression Testing	TS3 -Regression_E_Signature	Passed	8-Approval Complete	Test Case was executed successfully
Regression Testing	TS4 - Regression_Versioning	Passed	8-Approval Complete	Test Case was executed successfully

Acceptance Testing:

Test Level	Test Name	Overall Execution Status (Pass/Fail)	Summary Status (e.g. Approval Complete)	Execution Comments
User Acceptance Testing	Schedule - Test Case 1	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 2	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 4	Passed	Approved	Test Case was executed Successfully

Test Level	Test Name	Overall Execution Status (Pass/Fail)	Summary Status (e.g. Approval Complete)	Execution Comments
User Acceptance Testing	Schedule - Test Case 5	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 6	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 7	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 8	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 9	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 10	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 12	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 13	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 14	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 15	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 16	Passed	Approved	Test Case was executed Successfully
User Acceptance Testing	Schedule - Test Case 17	Passed	Approved	Test Case was executed Successfully
User Acceptance	Sign - Test Case 13	Passed	Approved	Test Case was executed Successfully

Test Level	Test Name	Overall Execution Status (Pass/Fail)	Summary Status (e.g. Approval Complete)	Execution Comments
Testing				
User Acceptance Testing	Sign - Test Case 15	Passed	Approved	Test Case was executed Successfully

The Final Runs of Acceptance Testing results are stored in CR and approved by Business. Additional details can be found in CR.

3.5   Test Problem Report Summary

The following table summarizes the defects that were found in Formal System Testing, Regression Testing and User Acceptance Testing. Additional details can be found in HP Quality Center-> Defects module.

System Testing Defects:

Defect ID	Title	Status
180	Status of program is changing to "Completed w/EXC"	Closed
181	CLUWE_R 3.0_ Script Error_ Aborting functionality will be covered in next release.This Step needs to be removed	Closed
183	CLUWE_R3.0_We are not able to see any record of the version failure in the database	Closed
184	CLUWE Release 3.0 - Script defect need to add file and SQL to steps 21 an 22	Closed
187	CLUWE_R3.0_Script Error_ Test step 6 is missing instruction to click the checkbox that will activate text message notifications	Deferred
188	CLUWE R3.0 _Script Defect_ Missing instruction to activate text notifications	Deferred
189	CLUWE R3.0_Script Defect_Entering an 11 digit number that begins with zero with country USA selected is rejected as too long	Deferred
190	CLUWE R3.0_Script Defect_ Activate text notifications checkbox instruction is missing from test script	Deferred

Regression Testing Defects:

Defect ID	Title	Status
182	Regression Testing Rel 3.0 - Type ahead search error	Closed

Acceptance Testing Defects:

Defect ID	Title	Status
185	Schedule: Email and text completion notifications are no longer being received	Closed
186	Schedule: Start Date/Time control in Scheduling section is not reset to current date/time after Schedule button click.	Deferred

3.6   Justification for Unresolved or Outstanding Test Items

The following defects were accepted by business and deferred to a future release. PRB0023386 (script errors) and PRB0023387 (system) was logged in ServiceNow to assist in tracking these defects.

Defect ID	Title	Status	Severity	Justification	Target Release	Cycle
186	Schedule: Start Date/Time control in Scheduling section is not reset to current date/time after Schedule button click.	Deferred	Low	Low Priority, will be picked up in next release	CLUWE R4.0	Formal
187	CLUWE_R3.0_Script Defect: Test step 6 is missing instruction to click the checkbox that will activate text message notifications	Deferred	Low	System is shown to be functioning as expected--the script just contains an error	CLUWE R4.0	Formal
188	CLUWE R3.0 _Script Defect: Missing instruction to activate text notifications	Deferred	Low	System is shown to be functioning as expected--the script just contains an error	CLUWE R4.0	Formal
189	CLUWE R3.0_Script Defect: Entering an 11 digit number that begins with zero with country USA selected is rejected as too long	Deferred	Low	System is shown to be functioning as expected--the script just contains an error	CLUWE R4.0	Formal
190	CLUWE R3.0_Script Defect: Activate text notifications checkbox instruction is missing from	Deferred	Low	System is shown to be functioning as expected--the script just contains an	CLUWE R4.0	Formal

Defect ID	Title	Status	Severity	Justification	Target Release	Cycle
	test script			error		

3.7 Departures from the Master Test Plan for this Release

There were no test departures from the Master Validation and Test Plan.

4. REFERENCES

A current list of system-specific documents stored in Regulus can be generated using Regulus. The documents are stored in the IT Library Regulus repository at *IT_Library > LRL IT > Systems C to D > CLUWE (Clinical User Working Environment).*

Requirements and testing documents are stored in HP ALM under *Domain*: GMR, *Project*: GSS_eSig