



The Freezerworks® Validation Verification Package

This Validation Verification Package is provided to help inform customers of the thorough validation process Dataworks uses to ensure only top quality products are released. This documentation of our product validation offers customers a method to assess our dedication to quality product design.

Commitment to Quality

Dataworks Development, Inc. has over 20 years of experience devoted to the design and continuous improvement of our Software Development LifeCycle, including program testing. We are committed to meeting or exceeding the software development requirements of the FDA, as well as our customers' quality standards. Every staff member at Dataworks is dedicated to providing our customers with the best products in the industry. This Validation Verification Package will illustrate some of the steps we take to providing the highest quality software possible.

Contents

- Software Development LifeCycle (SDLC) Summary
- Program Modules Tested
- Master Test Plan Summary
- Samples of Completed Test Script Pages**
- Certificate of Validation

** Please note that the Test Scripts, referenced below, were written to satisfy requirements of validation by a software development company. While Dataworks strives to include the most extensive variety of test cases and data ranges in the Test Scripts, they are in no way intended to replace the end-user validation required by the FDA. They are not a substitution for the laboratories' responsibility to assess their own unique needs (functional requirements) and risk levels.

Summary

Only when all rounds of validation test scripts have been completed satisfactorily, all testing procedures performed, and all documentation reviewed, will the project manager certify a version of the software for public release. A Certificate of Validation is included at the conclusion of this document. Please contact Dataworks if further information or documentation is needed.

Shannon Murray

Quality Assurance and Project Manager

Vice President – Dataworks Development, Inc.

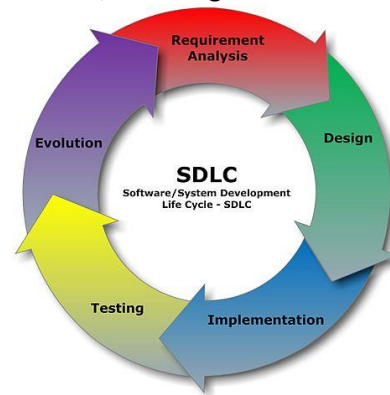
(425) 673-1974

shannon@dwdev.com

The SDLC Process

The Dataworks Software Development LifeCycle (SDLC) was written in accordance with the FDA's Guidelines for Software Development and other current industry technology standards. This extensive SDLC system governs the creation of our software from start to finish, including:

- Phase 1 Systems Analysis & User Requirements
- Phase 2 Functional Specifications
- Phase 3 Design Specifications & Coding
- Phase 4 User's Manual
- Phase 5 Test Scripts & Validation
- Phase 6 Production & Release



Systems Analysis & User Requirements

During the System Analysis phase, specific features of the desired program are identified. Before a planned upgrade, customers are surveyed to identify any unmet needs within the program and rank the importance of potential modifications. Capturing both customer and employee input, Error Reports and Modification Requests compiled in Dataworks' in-house database. Each item is traced throughout the SDLC by a unique identifier. The System Architect and Project Manager analyze all Error Reports, Modification Requests, and survey results to determine the contents of the next release.

Functional Specifications

Functional Specifications for the program are drafted using information from the Systems Analysis phase of the SDLC. Functional specification documents describe the program's user interface, business rules, capabilities, limitations, performance requirements, and design constraints. Development and documentation of the functional specifications is an ongoing process. The development team provides proof of concept and screen mockups to the Functional Specification Teams for review and approval until the details are finalized.

Design Specifications & Coding

Design Specifications are a tool for the developer to use in planning and documenting the approach to programming. These will include any tables or forms to be added or modified to the program being developed. All program coding is completed using Dataworks Programming Standards. During this phase, the developer will perform initial testing of their work by running the program to verify compliance with the functional specifications. Source code reviews will be performed at the discretion of the System Architect or as requested by developers to ensure the source code is compliant with Programming Conventions, Interface Charter, and the programs specification documents. Working with the developers during this phase, the QA Analyst will determine test script cases and outlines to create test scripts for the validation staff.

User's Manual

During program prototype development, creation of the Users Manual is initiated. The manual must include, at minimum, a description of the general program flow, main task descriptions, program operations, a troubleshooting guide, and an index. Content is based on Functional Specifications as well as prototype interaction. Review of the final Users Manual takes place in the last round of program validation.

Test Scripts & Validation

A. Writing Test Scripts

Test Scripts are stepwise procedures that specify inputs, execution conditions, and expected results for a particular objective.

Test Cases will make up the Test Scripts to be run by the validators. The objective of the test cases is to determine if the program meets the program specifications and to find errors via high yield test cases. (High yield test cases have a good probability of finding errors and reduce the number of test cases needed.)

The procedure for creating test cases is summarized below:

- Know the specifications
 - Know the expected results (exact output from specific inputs)
 - Use test cases for valid and invalid input
 - Watch for side effects; with every change, the probability of errors increases; for every fix after a successful test, start over with first test case
 - Document test cases to avoid repeating the same tests
 - Documented test cases include expected results
 - Complete test set must be validated when any new set is added
1. Test Cases developed parallel to the software from program requirements and specifications (black box testing).
 2. Test Cases developed from program code review for each module (white box testing).
 3. Test Cases for testing modules and for integrated testing of the modules (testing the interface between the modules).
 4. Test Cases for Systems Testing
 5. The Test Script will be reviewed and approved by the Development Team leader and the Project Manager prior to its use for In-House Formal Validation.

B. In-House Formal Validation

Validation of the software must be performed by one or more validators depending on the scope of the program or module. At least one person performing validation must not have participated in the programming of the project being tested. Performance of the program is documented at each step of the Test Script. Any errors found during validation are entered in Dataworks' in-house database, corrected by the development team, and tested again in the next round of validation. Upon completion of a Test Script, the Project Manager reviews, signs, and dates all documentation and then scans and saves the completed Test Script so it may be accessed later if necessary. Separate Test Scripts are created and run in the same manner to test the installation of the program.

C. Beta Testing

Beta testing is performed on user systems using a customer's own datafile after at least one round of formal in-house validation has been completed. Modification requests and errors reported by Beta users are fully documented in Dataworks' in-house database.

Production & Release

"General" releases consist of major upgrades, maintenance updates, or hot fixes. Each release follows the SDLC procedure. Major upgrades are released every 12-18 months; maintenance updates every 3-4 months; and hot fixes follow an expedited schedule. Customers are informed of upgrades and updates via e-mail and website notifications. "Limited" releases are sometimes made available to customers who have been affected by very specific error fixes within the release. The Quality Assurance Department will oversee the release process. The Customer Support Department will distribute upgrades to existing customers. Following a release, all errors reported and modifications requested are logged and tracked as the SDLC begins again.





Freezerworks Modules Validated in Test Scripts

The following is an overview of modules covered in the Freezerworks Validation Test Scripts. Some program menu options are tested under multiple modules, and some modules contain validation of multiple menu options. The Freezerworks Master Test Plan dictates that these scripts be run in multiple rounds, validating performance in the Base, Ascent, and Summit editions of Freezerworks. The Master Test Plan also includes performance, cross-platform, upgrade and installation testing.

Installation Windows Standalone Windows Server Mac Standalone Mac Server Windows and/or Mac Client Web Server	Aliquots Add, Modify, Delete Aliquots Field Level Security Transactions Sub-Aliquoting Lineage Shipping Move Aliquots Check Out & In	System Administration Users Groups Permissions Owner Security User Defined Fields Configure Entry Forms Configure List Views User Defined Reports Audit Trail PHI Security
Scanner Alternate keyboard input	Patients Add, Modify, Delete Patients Link from Samples Entry PHI Security	Soap Module Save and Retrieve Field Level Security PHI Security
Initialization Login System Properties Multi-User System Configuration and Setup Menu Access	Batch Update Configure Batch Entry Forms Enter and Update: Samples, Aliquots, New Positions, Transactions	Web Services Module Searches Audit Trail Web Logs PHI Security
Search Simple Search Advanced Search Scheduling Searches Search by Scanned Field Search by Location Search by ASCII File Field Security	Freezers Configuration Add, Modify, Delete Security Explore Freezers (by "Alias", by "Tree", by "Visual") QC Check Freezer	Testing Module Configure Tests Chain of Custody Enter Results Test Reports Security Batch Testing Import Tests and Results Data
Samples Add, Modify, Delete Samples Field Level Security Calculated Fields Duplicates Checking	Printing Configure and Print Reports Configure and Print Labels Label Specifications Location Reports Count Reports Adjust Printer Settings	Billing Module Invoicing Testing and Billing Receive Payments Customers
Import Data	Export Data	Add, View Transactions
Upgrading Previous Versions	Web Links	Users Manual

Freezerworks 2015, version 8.0, Master Test Plan Summary

	A	D	E	F	G	H	I	J	L	M	N	O	P	R	S	T	U	V
1	Validation for Freezerworks 2015 Summit	Pages	Opens With	R3	R3	R3	R3	R3	R2	R2	R2	R2	R2	R1	R1	R1	R1	R1
2			Datafile	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester
3			Letter	(mins)	Date	System		Letter	(mins)	Date	System		Letter	(mins)	Date	System		
4																		
5	01 Setup.doc	18	New	BY	60	5/7/2015	W7	David	BN	30	3/11/2015	W7	Daniel	AV	85	1/5/2015	W7	Daniel
6	02 Users.doc	23	01 Setup	BY	30	5/7/2015	W7	David	BN	50	3/12/2015	W7	Daniel	AV	111	1/5/2015	W7	Daniel
7	02.1 Users Data.doc	2	01 Setup	BY	13	5/7/2015	W7	David	BN	8	3/12/2015	W7	Daniel	AV	8	1/5/2015	W7	Daniel
8	03 Login - Switch User.doc	10	02.1 Users Data	BY/BZ	95	5/7/2015	W7	David	BN	40	3/12/2015	W7	Daniel	AV	31	1/6/2015	W7	Daniel
9	03.1 Login Audit Trail.docx	6	03 Login	n/a	n/a	n/a	n/a	n/a	BO	12	3/13/2015	W7	Daniel	AV	10	1/6/2015	W7	Daniel
10	04 Groups.doc	19	02.1 Users Data	BY	45	5/7/2015	W7	Daniel	BN	60	3/12/2015	W7	Daniel	AV	40	1/6/2015	W7	Daniel
11	04.1 Groups Data.docx	2	02.1 Users Data	BY	4	5/7/2015	W7	Daniel	BO	3	3/13/2015	W7	Daniel	AV	5	1/6/2015	W7	Daniel
12	05 Assign Owner Security.doc	4	04.1 Groups Data	BY	10	5/7/2015	W7	Daniel	BO	9	3/13/2015	W7	Daniel	AV	12	1/6/2015	W7	Daniel
13	05.1 Owner Security Data.doc	2	04.1 Groups Data	BY	4	5/7/2015	W7	Daniel	BO	3	3/13/2015	W7	Daniel	AV	5	1/6/2015	W7	Daniel
14	07 Freezers.doc	51	04.1 Groups Data	BY	120	5/12/2015	W7	David	BO	180	3/16/2015	W7	Daniel	AV	70	1/7/2015	W7	Daniel
15	07.1 Freezers Data.docx	10	05.1 Owner Security Data	BY	27	5/8/2015	W7	Daniel	BO	30	3/16/2015	W7	Daniel	AV	60	1/7/2015	W7	Daniel
16	08 User Defined Fields.doc	90	07.1 Freezers Data	BY	300	5/11/2015	W7	Daniel	BO/BQ	600	4/3/2015	W7	David	AX	360	1/8/2015	W7	Daniel
17	08.1 UDF Data.docx	21	07.1 Freezers Data	BY/BZ	360	5/14/2015	W7	David	BO	180	3/17/2015	W7	Daniel	AY	300	1/9/2015	W7	Daniel
18	09.1 Configure Samples Entry Form.docx	80	08.1 UDF Fields.4DD	n/a	n/a	n/a	n/a	n/a	BO	160	3/18/2015	W7	Daniel	AZ	230	1/13/2015	W7	Daniel
19	09.2 Configure Samples Entry Form.docx	85	08.1 UDF Standard	CG	240	6/12/2015	W7	David	BO	240	3/19/2015	W7	David	AZ	180	1/15/2015	W7	Daniel
20	09.3 Configure Samples Entry Form	36	08.1 UDF Fields.4DD	CH	122	6/19/2015	W7	Stacia	BO	180	3/20/2015	W7	David	BA	120	1/15/2015	W7	Daniel
21	09.4 Configure Samples Entry Audit Trail and Reasons	10	08.1 UDF Standard Data.4DD	BZ		5/14/2015	W7	Sarah	BO	150	3/23/2015	W7	David	BA	93	1/16/2015	W7	David
22	9.5 Configure Samples Entry - Field Security	4	08.1 UDF Minimal Data	n/a	n/a	n/a	n/a	n/a	BO	15	3/23/2015	W7	David	BA	135	1/16/2015	W7	Jeremy
23	09.6 Configure Samples Entry Data	26	08.1 UDFs Standard.4DD	BZ	69	5/15/2015	W7	David	BO	120	3/19/2015	W7	Daniel	BA	57	1/16/2015	W7	Daniel
24	09.7 Configure Patients Entry Form	57	08.1 UDF Minimal Data.4DD	CB	96	5/21/2015	W7	Daniel	BO	160	3/24/2015	W7	David	BA	203	1/16/2015	W7	David
25	09.8 Configure Patients Entry.docx	52	08.1 UDF Minimal Data.4DD	BG	n/a	5/12/2015	W7	Daniel	BO	160	3/25/2015	W7	David	BA	190	1/21/2015	W7	David
26	09.9 Configure Patients Entry Form	11	08.1 UDF Fields.4DD	CD	19	5/22/2015	W7	Daniel	BO	45	3/25/2015	W7	David	BA	129	1/20/2015	W7	David
27	09.10 Configure Patients Entry - Audit Trail and Reasons	8	08.1 Minimal Data.4DD	CD	22	5/22/2015	W7	Daniel	BO	60	3/26/2015	W7	David	BA	48	1/16/2015	W7	Daniel
28	09.11 Configure Patients Entry Form - Field Security	3	8.1 UDF Standard Data	CD	13	5/22/2015	W7	Daniel	BO	10	3/26/2015	W7	David	BA	52	1/19/2015	W7	Jeremy
29	09.12 Configure Patients Entry Data	3	09.6 StandardUDFs	CA	5	5/15/2015	W7	David	BO	4	3/19/2015	W7	Daniel	BA	15	1/16/2015	W7	Daniel
30	10 Configure List Views.docx	19	09.12 StandardUDFs	CB	31	5/18/2015	W7	Daniel	BO	60	3/26/2015	W7	David	BA	20	1/16/2015	W7	Daniel
31	10.1 Configure List Views Data.docx	19	09.12 StandardUDFs	CA	270	5/18/2015	W7	David	BO	62	3/19/2015	W7	Daniel	BA	69	1/19/2015	W7	Daniel
32	10.4 Configure Minimal Dataset Forms.docx	3	08.1 UDF Minimal Data.4DD	CB	6	5/19/2015	W7	David	BO	5	3/19/2015	W7	Daniel	BA	7	1/19/2015	W7	Daniel
33	10.5 Group Profile with Fields and Formats.docx	5	10.4 Configure Forms Minimal Dataset.4DD	CE	20	6/3/2015	W7	Daniel	BO	20	3/26/2015	W7	David	K	127	2/17/2015	W7	Daniel/Rache
34	11 Samples Entry.docx	47	10.1 Configure List Views Data.4DD	n/a	n/a	n/a	n/a	n/a	BO	115	3/20/2015	W7	Daniel	BB/BC	220	1/23/2015	W7	Daniel
35	11.1 Samples Entry Link to Patients	37	10.1 Configure List Views Data.4DD	CB	96	5/20/2015	W7	Daniel	BP	360	3/31/2015	W7	David	K	530		W7	Daniel/Rache
36	11.2 Samples Security Data.docx	3	10.4 Configure Forms Minimal Dataset.4DD	CB	16	5/19/2015	W7	David	BO	19	3/20/2015	W7	Daniel	BA/BC	52	1/23/2015	W7	Jeremy/Davi
37	11.3 Samples Freezer Security.docx	8	11.2 Samples Security Data	n/a	n/a	n/a	n/a	n/a	BP	15	3/31/2015	W7	David	BA	80	1/19/2015	W7	Jeremy
38	11.4 Samples Owner Security.docx	5	11.2 Samples Freezer	n/a	n/a	n/a	n/a	n/a	BP	45	3/31/2015	W7	David	BB/BK	135	2/19/2015	W7	Jeremy/Beth
39	11.5 Samples with Calculated Fields.docx	32	10.1 CalculatedUDFs.4DD	n/a	n/a	n/a	n/a	n/a	BQ	180	4/7/2015	W7	David	BB	120	1/22/2015	W7	Daniel
40	11.6 Samples Field Security.docx	4	11.2 Samples Security Data	CD	N/A	5/27/2015	W7	Stacia	BQ	20	4/7/2015	W7	David	BB	60	1/21/2015	W7	Jeremy
41	11.7 Samples Audit Trail.docx	19	08.1 Standard Data.4DD	CD	N/A	5/27/2015	W7	Stacia	BR	100	4/10/2015	W7	David	BB	120	1/21/2015	W7	Daniel
42	11.9 Linking Samples to Patients Audit Trail	14	10.1 Configure List Views	CB	180	5/20/2015	W7	David	BR/BR	170	4/20/2015	W7	David	BF	15	2/5/2015	W7	Daniel
43	11.10 Patients Entry UI	46	11.2 Samples Security Data.4DD	CB	137	5/20/2015	W7	Daniel	BQ/BR	342	4/15/2015	W7	David	BD/BI	540	2/19/2015	W7	Daniel/Rache
44	11.11 Patients Entry Security.docx	14	10.4 Configure Minimal Dataset Forms	CD	39	5/26/2015	W7	Daniel	BP	230	4/1/2015	W7	David	BD/BL	145	2/20/2015	W7	Stacia/Andre
45	11.12 Patients Entry Audit Trail.docx	20	10.4 Configure Minimal Dataset Forms	CB	150	5/21/2015	W7	David	BR	150	4/13/2015	W7	David	BD/BI	45	2/16/2015	W7	Daniel
46	12 Delete Samples.docx	5	11.4 Samples Standard.4DD	CA		5/15/2015	W7	Beth	BO	25	3/20/2015	W7	Daniel	BC	25	1/23/2015	W7	David
47	12.1 Delete Samples Audit Trail	4	12 Delete Samples	n/a	n/a	n/a	n/a	n/a	BR	7	4/10/2015	W7	Daniel	BF	21	2/3/2015	W7	David
48	13 Aliquots.docx	50	10.1 Configure List Views Data.4DD	CB	300	5/26/2015	W7	David	BO	170	3/23/2015	W7	Daniel	BC/BD	90	1/27/2015	W7	Daniel
49	13.1 Aliquots Data.docx	3	10.1 Configure List Views Data.4DD	n/a	n/a	n/a	n/a	n/a	BO	60	3/23/2015	W7	Daniel	BD	20	1/28/2015	W7	Stacia
50	14 Aliquots UDFS.docx	36	13.1 Aliquots Data.4DD	n/a	n/a	n/a	n/a	n/a	BO	110	3/24/2015	W7	Daniel	BE/BF	116	2/2/2015	W7	el
51	14.2 Aliquots Security.docx	6	10.4 Configure Forms Minimal Dataset.4DD	n/a	n/a	n/a	n/a	n/a	BP	10	3/31/2015	W7	Daniel	BC	62	1/23/2015	W7	David
52	14.4 Aliquots Audit Trail.docx	20	10.1 Configure List Views	CB	98	5/21/2015	W7	Daniel	BP	90	3/31/2015	W7	Daniel	BD	116	1/30/2015	W7	David
53	15 Simple Search.docx	23	10.1 Configure List Views Data.4DD	n/a	n/a	n/a	n/a	n/a	BO	90	3/24/2015	W7	Daniel	BC	480	1/28/2015	W7	Jeremy
54	15.1 Advanced Search.docx	48	Continue w/ file created in 15	n/a	n/a	n/a	n/a	n/a	BO	120	3/25/2015	W7	Daniel	BD	600	1/30/2015	W7	Jeremy
55	15.2 Search Field Security.docx	5	11.2 Samples Security Data	CD	N/A	5/28/2015	W7	Stacia	BP	20	3/31/2015	W7	Daniel	BF/BG	65	2/9/2015	W7	Jeremy
56	15.3 Search Owner Security.docx	4	11.2 Samples Security Data	CD	N/A	5/28/2015	W7	Stacia	BP	13	3/31/2015	W7	Daniel	BI	16	2/13/2015	W7	Jeremy

	A	D	E	F	G	H	I	J	L	M	N	O	P	R	S	T	U	V
1	Validation for Freezerworks 2015 Summit	Pages	Opens With	R3	R3	R3	R3	R3	R2	R2	R2	R2	R2	R1	R1	R1	R1	R1
2			Datafile	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester
57	15.4 Search Freezer Security.docx	3	11.2SamplesSecurityData 10.1ConfigureListViewsData ann	n/a	n/a	n/a	n/a	n/a	BP	6	3/31/2015	W7	Daniel	BI	15	2/16/2015	W7	Jeremy
58	15.5 Advanced Search Audit Trail.docx	6	n/a	n/a	n/a	n/a	n/a	n/a	BQ	18	4/7/2015	W7	David	BE	15	1/30/2015	W7	Daniel
59	15.6 Quick Search.docx	4	11.2SamplesSecurityData.4D n	CH	N/A	6/17/2015	W7	David	BR	30	4/13/2015	W7	David	BE	14	1/30/2015	W7	Daniel
60	15.7 Advanced Search Scheduled Searches.docx	13	15.1AdvanceSearchEnd.4dd	n/a	n/a	n/a	n/a	n/a	BP	50	3/31/2015	W7	Daniel	BF	81	2/3/2015	W7	David
61	15.8 Search Group Access.docx	3	11.2SamplesSecurityData.4D n	CD	N/A	5/28/2015	W7	Stacia	BP	14	3/31/2015	W7	Daniel	BF	9	2/9/2015	W7	David
62	16 View Listings.docx	8	08.1UDF Minimal Data.4DD	n/a	n/a	n/a	n/a	n/a	BR	18	4/13/2015	W7	David	BD	40	1/29/2015	W7	Stacia
63	16.1 View Listings UI Testing.docx	23	15SamplesSearchEnd.4DD	CE	N/A	5/28/2015	W7	Stacia	BT	120	4/17/2015	W7	David	BI	70	2/16/2015	W7	Daniel
64	16.2 List View Field Security.docx	2	11.2SamplesSecurityData.4D n	CE	N/A	5/28/2015	W7	Stacia	BS	10	4/17/2015	W7	David	BE	10	1/30/2015	W7	Daniel
65	17 Print Location Report.docx	7	14AliquotsUDFStandard.4DD	n/a	n/a	n/a	n/a	n/a	BT	40	4/17/2015	W7	David	BF	15	2/2/2015	W7	Daniel
66	17.1 Count Report.docx	7	15SearchEnd.4DD	n/a	n/a	n/a	n/a	n/a	BT	25	5	W7	David	BF	17	2/2/2015	W7	Daniel
67	18 Explore Freezers.docx	21	14UDFStandard.4dd	n/a	n/a	n/a	n/a	n/a	BP	65	4/1/2015	W7	Daniel	BF	265	2/3/2015	W7	Rachel
68	18.1 Field Security in Explore Freezers.docx	4	11.2SamplesSecurityData.4d n	CB		5/21/2015	W7	Stacia	BP	18	4/1/2015	W7	Daniel	BE	24	1/30/2015	W7	David
69	18.2 Explore Freezers - Freezer Security.docx	7	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BP	12	4/1/2015	W7	Daniel	BE	53	1/30/2015	W7	David
70	18.3 Explore Freezers Owner Security.docx	5	11.2SamplesSecurityData.4D n	CB		5/21/2015	W7	Stacia	BP	16	4/1/2015	W7	Daniel	BF	38	2/2/2015	W7	David
71	18.5 Explore Freezers Audit Trail.docx	10	10.4 ConfigureFormsMinimalData ann	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	BF/BL	75	2/20/2015	W7	David/Beth
72	19 Move Aliquots.docx	35	07.1 Freezers Data.4DD	n/a	n/a	n/a	n/a	n/a	BO	90	3/26/2015	W7	Daniel	BF	140	2/2/2015	W7	Daniel
73	19.1 Move Aliquots Freezer Security.docx	2	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BT	10	4/20/2015	W7	David	BF	6	2/3/2015	W7	Daniel
74	19.2 Move Aliquots Owner Security.docx	3	11.2SamplesSecurityData.4D n	CB		5/21/2015	W7	Stacia	BT	12	4/20/2015	W7	David	BF	15	2/3/2015	W7	Daniel
75	19.3 Field Security in Move Aliquots.docx	4	11.2SamplesSecurityData.4d n	n/a	n/a	n/a	n/a	n/a	BT	20	4/20/2015	W7	David	BF	25	2/3/2015	W7	Daniel
76	19.6 Move Audit Trail.docx	9	10.4 Configure List Views 11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BU	33	4/23/2015	W7	Daniel	BF	25	2/3/2015	W7	Daniel
77	20 Export Data.docx	16	11.2SamplesSecurityData.4D n	CB	41	5/21/2015	W7	Daniel	BP	60	4/1/2015	W7	Daniel	BF	183	2/5/2015	W7	David
78	20.1 Export Field Security.docx	3	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BQ	12	4/1/2015	W7	Daniel	BE	15	1/30/2015	W7	David
79	20.2 Export Data Audit Trail.docx	6	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BU	25	4/23/2015	W7	Daniel	BF	40	2/5/2015	W7	David
80	21 Delete Freezers.docx	2	13.1AliquotsData.4dd	n/a	n/a	n/a	n/a	n/a	BQ	3	4/1/2015	W7	Daniel	BE	4	1/30/2015	W7	David
81	21.1 Delete Freezers Audit Trail.docx	7	10.4 Configure List Views 21.1 Delete Freezers Audit Trail.docx	n/a	n/a	n/a	n/a	n/a	BO	16	3/26/2015	W7	Daniel	BF	27	2/3/2015	W7	Daniel
82	22 Test User Permissions.docx	23	n/a	n/a	n/a	n/a	n/a	n/a	BQ	66	4/1/2015	W7	Daniel	BF	90	2/11/2015	W7	Kelsey
83	24 Import.docx	36	8.1UDFMinimalData.4dd	CB	N/A	5/21/2015	W7	Stacia	BU	99	4/25/2015	W7	Daniel	BF/BL	375	2/24/2015	W7	Jeremy/Daniel
84	24.1 Import Save and Retrieve.docx	176	10.1 Configure List Views	CK/CL	920	6/30/2015	W7	Stacia	CA	480	5/13/2015	W7	David	BI, BL	970	2/25/2015	W7	David
85	24.2 Import Security.docx	3	08.1 UDF Minimal Data.4DD 10.4	n/a	n/a	n/a	n/a	n/a	BU	6	4/25/2015	W7	Daniel	BF	10	2/4/2015	W7	Jeremy
86	24.5 Import Freezer Security.docx	3	ConfigureFormsMinimalData 10.4 Configure Minimal Data.docx	n/a	n/a	n/a	n/a	n/a	BU	16	4/25/2015	W7	Daniel	BF	60	2/4/2015	W7	Jeremy
87	24.7 Import Audit Trail.docx	17	10.4 Configure List Views Data ann	CE/CH	131	6/16/2015	W7	Daniel	BV	68	4/30/2015	W7	Daniel	BF	300	2/5/2015	W7	Jeremy
88	25 Search Audit Trail UI.docx	9	10.4 Configure List Views Data ann	CE	N/A	5/28/2015	W7	Stacia	BU	31	4/23/2015	W7	Daniel	BF	24	2/4/2015	W7	Daniel
89	25.1 Search Audit Trail Configuration Data.docx	30	10.4ConfigureListViewsData ann	CH	141	6/15/2015	W7	Stacia	BU	124	4/24/2015	W7	Daniel	BF	40	2/5/2015	W7	Daniel
90	25.2 Audit Trail Reasons Configuration Data.docx	26	10.4ConfigureListViewsData ann	CD	70	5/27/2015	W7	Daniel	BR	90	4/13/2015	W7	Daniel	BI	150	2/17/2015	W7	Jeremy
91	25.3 Search Audit Trail PHI View Logging.docx	3	10.4 Configure Minimal Data.docx	n/a	n/a	n/a	n/a	n/a	BU	8	4/24/2015	W7	Daniel					
92	25.4 Search Audit Trail - Field Security.docx	7	10.4 Configure Minimal Data.docx	CH/CI	75	6/23/2015	W7	Daniel	CF	27	6/4/2015	W7	Daniel	CE	22	5/28/2015	W7	Daniel
93	26.1 System Properties - UI Tier 2-3	26	08.1 UDF Minimal Data.4DD	CE	42	6/3/2015	W7	David	BQ	63	4/2/2015	W7	Daniel	BF	180	2/3/2015	W7	Rachel
94	26.3 System Properties - General Properties Tier 2 and 3	14	08.1 UDF Minimal Data.4DD	CE	90	6/4/2015	W7	David	BQ	43	4/2/2015	W7	Daniel	BF	345	2/5/2015	W7	Rachel
95	26.4 System Properties Freezers	14	10.3ConfigureListViews	CF	50	6/5/2015	W7	David	BQ	32	4/2/2015	W7	Daniel	BF	64	2/5/2015	W7	David
96	26.5 System Properties PASSwords, Login, Logoff.docx	14	08.1 UDF Minimal Data.4DD	CF	90	6/5/2015	W7	David	BQ	42	4/2/2015	W7	Daniel	BF	37	2/4/2015	W7	Kelsey
97	27 Bar Code Labels	26	8.1UDFMinimalData.4dd	CE	78	6/1/2015	W7	Daniel	BX	128	5/4/2015	W7	Daniel	BI	60	2/17/2015	W7	Daniel
98	27.1 Bar Code Labels Save and Retrieve	9	08.1 UDF Minimal Data.4DD	CB	71	5/19/2015	W7	Daniel	BR	139	4/17/2015	W7	Daniel	BI	35	2/17/2015	W7	Daniel
99	27.2 Bar Code Labels Security.docx	4	11.2SamplesSecurityData.4D n	CE	N/A	5/28/2015	W7	Stacia	BY	25	5/7/2015	W7	Daniel	BI	20	2/17/2015	W7	Daniel
100	27.5 Bar Code Labels Audit Trail.docx	4	08.1 UDF Minimal Data.4DD	CC	10	5/26/2015	W7	David	BU	11	4/24/2015	W7	Daniel	BI	6	2/17/2015	W7	Daniel
101	27.7 Bar Code Labels Print	13	27.1 Bar Code Labels 10.4ConfigureFormsMinimal Data.docx	CD	373	5/22/2015	W7	Daniel	BU	138	4/22/2015	W7	Daniel	BI	300	2/20/2015	W7	Daniel
102	28 Explore by Alias.docx	10	10.4ConfigureFormsMinimal Data.docx	n/a	n/a	n/a	n/a	n/a	BR	34	4/17/2015	W7	Daniel	BK/BN	120	3/10/2015	W7	Rachel/Daniel
103	28.1 Field Security in Explore by Alias.docx	4	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BR	10	4/15/2015	W7	Daniel	BI	45	2/17/2015	W7	Andrew
104	28.5 Explore by Alias Audit Trail.docx	6	10.4 Configure List Views Data ann	n/a	n/a	n/a	n/a	n/a	BV	36	5/1/2015	W7	Daniel	BL	90	2/23/2015	W7	Rachel
105	31 Search by ASCII File.docx	17	10.4ConfigureFormsMinimal Data.docx	CD	N/A	5/28/2015	W7	Stacia	BO/BP	95	3/30/2015	W7	Daniel	BF	150	2/10/2015	W7	Molly
106	31.1 Search by ASCII Field Security.docx	2	31 Search by ASCII File.docx	n/a	n/a	n/a	n/a	n/a	BR	3	4/13/2015	W7	Daniel	BH	4	2/12/2015	W7	Molly
107	31.2 Search by ASCII Freezer Security.docx	3	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BR	11	4/13/2015	W7	Daniel	BH	5	2/12/2015	W7	Molly
108	31.3 Search by ASCII Owner Security.docx	4	11.2SamplesSecurityData.4D n	n/a	n/a	n/a	n/a	n/a	BR	4	4/13/2015	W7	Daniel	BH	6	2/12/2015	W7	Molly
109	32.0 Configure User Defined Report Interface.docx	62	10p1ConfigureListViewsData ann	CE	N/A	5/29/2015	W7	Stacia	BQ	144	4/3/2015	W7	Daniel	BG	357	2/9/2015	W7	David
110	32.1 Configure User Defined Reports - Sorts Interface.docx	16	10.1 Default UDFs	CE	N/A	5/29/2015	W7	Stacia	BQ	40	4/3/2015	W7	Daniel	BG	56	2/9/2015	W7	David

	A	D	E	F	G	H	I	J	L	M	N	O	P	R	S	T	U	V
1	Validation for Freezerworks 2015 Summit	Pages	Opens With	R3	R3	R3	R3	R3	R2	R2	R2	R2	R2	R1	R1	R1	R1	R1
2			Datafile	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester
111	32.2 User Defined Reports - Configuring Reports.docx	20	10.1ConfigureListViewsData.ann	CF	77	6/5/2015	W7	Daniel	BQ	53	4/3/2015	W7	Daniel	BG	90	2/9/2015	W7	David
112	32.3 User Defined Reports Objects.docx	39	10.1ConfigureListViewsData.ann	CE	N/A	6/1/2015	W7	Stacia	BZ	164	5/13/2015	W7	Daniel	BG	170	2/10/2015	W7	David
113	32.4 Configure User Defined Reports - Print Reports.docx	28	32p4ConfigureUserDefinedReports.ann	CG/CL	660	6/30/2015	W7	David	E	146	6/4/2015	W7	Daniel	BI	120	2/17/2015	W7	David
114	32.5 User Defined Reports- Sorts, Subtotals and Counts.docx	7	32p5UDStart.40D	CE/CG	133	6/12/2015	W7	David	BV	165	4/30/2015	W7	Daniel					
115	32.6 User Defined Reports- Security.docx	18	10.4 Configure List Views	CE	N/A	6/1/2015	W7	Stacia	BY	120	5/6/2015	W7	Daniel	BK	120	2/20/2015	W7	Andrew
116	32.7 User Defined Reports- Audit Trail.docx	15	10.4 Configure List Views	CD	31	5/26/2015	W7	Daniel	BU/BV	102	4/28/2015	W7	Daniel	O	360	3/11/2015	W7	Beth/Daniel
117	32.8 User Defined Reports- Upgrade.docx	30	New Datafile from FUL 5.2	CF/CG	172	6/11/2015	W7	Daniel	BU	168	4/23/2015	W7	Daniel					
118	33 Duplicate Sample.docx	4	10.1ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BQ	12	4/7/2015	W7	Daniel	BI	45	2/16/2015	W7	Rachel
119	33.1 Duplicate Sample Audit Trail.docx	2	10.4 Configure List Views	n/a	n/a	n/a	n/a	n/a	BQ	17	4/7/2015	W7	Daniel	BI	45	2/17/2015	W7	Rachel
120	34 Select by Scanned Field.docx	11	31SearchASCI.40D	CE	N/A	6/1/2015	W7	Stacia	BQ	28	4/7/2015	W7	Daniel	BH	60	2/11/2015	W7	Jeremy
121	34.1 Search by Scanned Field - Field Security.docx	2	11.2SamplesSecurityData.40D	n/a	n/a	n/a	n/a	n/a	BQ	3	4/7/2015	W7	Daniel	BF	5	2/5/2015	W7	Jeremy
122	34.2 Search by Scanned Field Freezer Security.docx	3	11.2SamplesSecurityData.40D	n/a	n/a	n/a	n/a	n/a	BQ	4	4/7/2015	W7	Daniel	BF	10	2/5/2015	W7	Jeremy
123	34.3 Search by Scanned Field Owner Security.docx	3	11.2SamplesSecurityData.40D	n/a	n/a	n/a	n/a	n/a	BQ	4	4/7/2015	W7	Daniel	BF	10	2/5/2015	W7	Jeremy
124	35 Batch Update.docx	21	15SimpleSearchEnd.40D	CE	N/A	6/2/2015	W7	Stacia	BR	49	4/14/2015	W7	Daniel	BF	50	2/5/2015	W7	Daniel
125	35.1 Batch Update Aliquots List View.docx	22	15SimpleSearchEnd.40D	CE	N/A	6/2/2015	W7	Stacia	BQ	86	4/20/2015	W7	Daniel	BF	50	2/6/2015	W7	Daniel
126	35.2 Batch Update Aliquots Entry Screen.docx	8	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BT	13	4/20/2015	W7	Daniel	BG	15	2/7/2015	W7	Daniel
127	35.3 Batch Update Assign Positions.docx	6	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BT	11	4/20/2015	W7	Daniel	BG	14	2/7/2015	W7	Daniel
128	35.4 Batch Update Transactions.docx	9	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BT	18	4/20/2015	W7	Daniel	BG	16	2/7/2015	W7	Daniel
129	35.5 Batch Update Add Aliquots.docx	13	10.1DefaultUDFs.40D	CH	N/A	6/16/2015	W7	Daniel	BT	47	4/20/2015	W7	Daniel	BG	26	2/9/2015	W7	Daniel
130	35.6 Batch Update Add Transactions.docx	5	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BT	16	4/20/2015	W7	David	BG	9	2/9/2015	W7	Daniel
131	35.7 Batch Update Sub Aliquots.docx	10	10.1ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BT	25	4/20/2015	W7	David	BG	16	2/9/2015	W7	Daniel
132	35.9 Batch Update Audit Trail.docx	25	10.4 Configure List Views	CH	N/A	6/16/2015	W7	Daniel	BX	85	5/4/2015	W7	Daniel	BG	120	2/10/2015	W7	Daniel
133	35.10 Batch Update User Security.docx	6	11.2SamplesSecurityData.40D	CF	45	6/8/2015	W7	David	BY	34	5/7/2015	W7	Daniel	BG	45	2/10/2015	W7	Daniel
134	35.11 Batch Update Freezer Security.docx	4	11.2SamplesSecurityData.40D	n/a	n/a	n/a	n/a	n/a	BT	23	4/20/2015	W7	Daniel	BG	16	2/10/2015	W7	Daniel
135	36 Search by Location.docx	12	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BR	22	4/9/2015	W7	Daniel	BI	60	2/16/2015	W7	Rachel
136	36.1 Search by Location Freezer Owner Security.docx	3	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BR	5	4/9/2015	W7	Daniel	BI	30	2/16/2015	W7	Rachel
137	37 Empty Positions Report.docx	6	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BR	45	4/9/2015	W7	Daniel					
138	38 Configure Batch Entry Form.docx	42	10.1ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BO	75	3/26/2015	W7	Daniel	BH	90	2/11/2015	W7	Daniel
139	38.1 Configure Batch Entry Field and Freezer Security.docx	4	10.4ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BP	6	3/30/2015	W7	Daniel	BH	5	2/11/2015	W7	Daniel
140	39 Batch Entry.docx	29	38ConfigBatchEntry.40D	n/a	n/a	n/a	n/a	n/a	BR	120	4/15/2015	W7	Daniel	BH/BL	260	2/24/2015	W7	Daniel/Rachel
141	39.1 Batch Entry Additional Testing.docx	8	11.2SamplesSecurityData.40D	n/a	n/a	n/a	n/a	n/a	BR	16	4/15/2015	W7	Daniel	BH	15	2/12/2015	W7	Daniel
142	39.2 Batch Entry Field Security.docx	2	38.1ConfigureBatchEntryFieldSecurity.ann	n/a	n/a	n/a	n/a	n/a	BR	12	4/16/2015	W7	Daniel	BH	10	2/12/2015	W7	Daniel
143	39.3 Batch Entry Calculated Fields.docx	5	10.1CalculatedUDFs.40D	n/a	n/a	n/a	n/a	n/a	BR/BU	70	8/4/24/15	W7	Daniel	BH	8	2/12/2015	W7	Daniel
144	39.4 Batch Entry Audit Trail.docx	13	10.4 Configure List Views	n/a	n/a	n/a	n/a	n/a	BU	22	4/24/2015	W7	Daniel	BH	31	2/12/2015	W7	Daniel
145	39.5 Batch Enter CLIP.doc	27	10.1ConfigureListViewsData.ann	CD	68	5/27/2015	W7	Daniel	CA	72	5/15/2015	W7	Daniel	BH/BL	285	2/25/2015	W7	Rachel/Daniel
146	40 Access To View Listings.docx	6	10.1ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BQ	40	4/3/2015	W7	Daniel	BF	70	2/4/2015	W7	David
147	41 Entering Serial Numbers.docx	18	New Datafile	CE	N/A	6/2/2015	W7	Stacia	BT	51	4/21/2015	W7	Daniel	BL	120	2/23/2015	W7	Rachel
148	42 Windows Option.docx	4	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BR	15	4/9/2015	W7	Daniel	BF	30	2/5/2015	W7	Jeremy
149	43 Reassign Sample Ownership.docx	8	08.1UDFMinimalData.40D	n/a	n/a	n/a	n/a	n/a	BT	20	4/21/2015	W7	David	BG/BI	83	2/18/2015	W7	Jeremy/Daniel
150	44 List Deleted Aliquots.docx	2	13AliquotsEnd.40D	n/a	n/a	n/a	n/a	n/a	BR	13	4/13/2015	W7	Daniel	M	56	2/25/2015	W7	Jeremy/Daniel
151	45 Shipping Module.docx	62	15SimpleSearchEnd.40D	CE	197	6/2/2015	W7	Daniel	BT/BU	320	4/28/2015	W7	Daniel	BI	225	2/16/2015	W7	David
152	45.1 Shipping Audit Trail.docx	9	10.4 Configure List Views	n/a	n/a	n/a	n/a	n/a	BV	22	4/28/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
153	48 Dates.docx	18	15SimpleSearchEnd.40D	CF	35	6/4/2015	W7	Daniel	BR	52	4/9/2015	W7	Daniel	BH	100	2/12/2015	W7	David
154	50 Deleting User Defined Fields.docx	14	08.1UDFMinimalData.40D	n/a	n/a	n/a	n/a	n/a	BQ	59	4/6/2015	W7	Daniel	BF	270	2/5/2015	W7	Rachel
155	51 Auto Incrementing User Defined Fields.docx	3	11AddSamplesStandard.40D	n/a	n/a	n/a	n/a	n/a	BQ	4	4/6/2015	W7	Daniel	BF	30	2/9/2015	W7	Rachel
156	52 Additional Freezer Testing.docx	4	15SimpleSearchEnd.40D	n/a	n/a	n/a	n/a	n/a	BQ	6	4/6/2015	W7	Daniel	BH/BI	42	2/13/2015	W7	Jeremy
157	53 System Configuration and Setup.docx	17	10.1ConfigureListViewsData.ann	CD	26	5/26/2015	W7	Daniel	BQ	35	4/6/2015	W7	Daniel	BH	60	2/12/2015	W7	Rachel
158	54 Client Licenses.docx	3	10ConfigureListViewsData.40D	n/a	n/a	n/a	n/a	n/a	BW	194	5/1/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
159	55 Unique Calculated Fields.docx	19	10.4ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BQ	98	4/6/2015	W7	Daniel	BF/BN	300	3/10/2015	W7	Rachel/Daniel
160	56 SAMPLES WITH FORMATTED FIELDS.docx	14	10.1FormattingUDFs.40D	n/a	n/a	n/a	n/a	n/a	BQ	55	4/7/2015	W7	Daniel	BI/BI	121	2/15/2/16/	W7	Daniel/Rachel
161	58 User Defined Fields in Batch Update.docx	2	8.1UDFMinimalData.40D	n/a	n/a	n/a	n/a	n/a	BQ	8	4/6/2015	W7	Daniel	BH	2	2/12/2015	W7	David
162	59 IMPORT UDF DROPDOWN LIST ENTRIES.docx	2	10.1ConfigureListViewsData.ann	n/a	n/a	n/a	n/a	n/a	BT	9	4/20/2015	W7	David	BI	7	2/13/2015	W7	Daniel
163	60 SUBAliquoting.docx	9	13AliquotsEnd.40D	n/a	n/a	n/a	n/a	n/a	BQ	23	4/7/2015	W7	Daniel	BH	38	2/12/2015	W7	David
164	60.1 SubAliquot Audit Trail.docx	4	13.1AliquotsData.40D	n/a	n/a	n/a	n/a	n/a	BQ	18	4/8/2015	W7	Daniel	BH	13	2/13/2015	W7	David

	A	D	E	F	G	H	I	J	L	M	N	O	P	R	S	T	U	V
1	Validation for Freezerworks 2015 Summit	Pages	Opens With	R3	R3	R3	R3	R3	R2	R2	R2	R2	R2	R1	R1	R1	R1	R1
2			Datafile	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester
165	61 QC Check Freezer.docx	21	15SimpleSearchEnd.400	CH	N/A	6/18/2015	W7	Daniel	BQ	85	4/8/2015	W7	Daniel	BH	500	2/12/2015	W7	Jeremy
166	63 Freezers Configure Visual.docx	20	10.1ConfigureListViewsData.4dd	n/a	n/a	n/a	n/a	n/a	BP	41	3/30/2015	W7	Daniel	BG	150	2/10/2015	W7	Rachel
167	64 Freezers Explore Visual.docx	5	63Visual Freezers.400	n/a	n/a	n/a	n/a	n/a	BP	25	3/30/2015	W7	Daniel	BG	120	2/10/2015	W7	Rachel
168	66 Recent Activity.docx	3	64 Freezers Explore Visual.docx	n/a	n/a	n/a	n/a	n/a	BR	5	4/7/2015	W7	Daniel	BG	20	2/10/2015	W7	Rachel
169	68 Limited Login.docx	3	10.1ConfigureListViewsData.4dd	CH	N/A	6/22/2015	W7	Daniel	BR	37	4/17/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
170	70 Editable List Views.docx	9	15SimpleSearchEnd.4dd	CE	N/A	6/2/2015	W7	Stacia	BQ	37	4/8/2015	W7	Daniel	BG	75	2/10/2015	W7	Rachel
171	70.1 Editable List Views Save and Retrieve.docx	4	10.4 Configure Minimal Dataset Forms	n/a	n/a	n/a	n/a	n/a	BR	13	4/8/2015	W7	Daniel	BG/BI	105	2/16/2015	W7	Rachel
172	71 Count Fields.docx	3	10.1CountUDFs.400	n/a	n/a	n/a	n/a	n/a	BR	5	4/9/2015	W7	Daniel	BI	30	2/16/2015	W7	Rachel
173	72 UDF Screen Tab.docx	2	10.1ConfigureListViewsData.4dd	n/a	n/a	n/a	n/a	n/a	BR	3	4/8/2015	W7	Daniel	BI	30	2/16/2015	W7	Rachel
174	73 Group Management.docx	12	10.1ConfigureListViewsData.4dd	CH	N/A	6/17/2015	W7	Daniel	BR	34	4/9/2015	W7	Daniel	BG	180	2/10/2015	W7	Rachel
175	76 Export Import Configurations.docx	27	10.1ConfigureListViewsData.4dd	n/a	n/a	n/a	n/a	n/a	N/A	N/A	N/A	N/A	N/A	BI	30	2/18/2015	W7	Daniel
176	77 Double Data Entry.docx	11	76.2 Update UDF Config Data with Symbols.docx	CI	N/A	6/24/2015	W7	Daniel	BT	100	4/21/2015	W7	David	BI	15	2/16/2015	W7	Daniel
177	78 Port Numbers.docx	1	Server	n/a	n/a	n/a	n/a	n/a	BU	4	4/27/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
178	80 Explore Freezers.docx	13	10.1ConfigureListViewsData.4dd	n/a	n/a	n/a	n/a	n/a	BR	36	4/9/2015	W7	Daniel	BH	120	2/12/2015	W7	Rachel
179	81 Explore by Alias Picture Control.docx	14	10.1ConfigureListViewsData.4dd	n/a	n/a	n/a	n/a	n/a	BR	26	4/10/2015	W7	Daniel	BH	90	2/12/2015	W7	Rachel
180	85 Samples Entry Scientific Notation.docx	5	85 Samples Entry Scientific Notation.docx	CD	16	5/26/2015	W7	Daniel	BR	29	4/10/2015	W7	Daniel	BH	120	2/12/2015	W7	Rachel
181	87 Transaction Activities.docx	6	10.4ConfigureFormsMinimal Dataset.400	n/a	n/a	n/a	n/a	n/a	BR	11	4/10/2015	W7	Daniel	BL	15	2/23/2015	W7	Rachel
182	88 Merge Freezers.docx	5	15SearchEnd.400	n/a	n/a	n/a	n/a	n/a	BU	6	4/25/2015	W7	Daniel	BI	6	2/16/2015	W7	Daniel
183	89 Checkout from Aliquots List View.docx	23	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BP	42	3/30/2015	W7	Daniel	BI	45	2/17/2015	W7	Daniel
184	89.1 Checkout from Samples Entry.docx	4	89 Checkout from Aliquots List View.docx	n/a	n/a	n/a	n/a	n/a	BR	5	4/14/2015	W7	Daniel	BI	4	2/17/2015	W7	Daniel
185	90 Scan for Checkout.docx	24	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BR	60	4/14/2015	W7	Daniel	BI	65	2/18/2015	W7	Daniel
186	90.3 Scan for Checkout Reasons.docx	4	15SearchEnd.400	n/a	n/a	n/a	n/a	n/a	BU	8	4/25/2015	W7	Daniel	BK	5	2/19/2015	W7	Daniel
187	91 Checkout Locking.docx	6	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BU	12	4/25/2015	W7	Daniel	BK	7	2/19/2015	W7	Daniel
188	92 Scan for Check In.docx	14	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BT	48	4/21/2015	W7	Daniel	BL	30	2/20/2015	W7	Daniel
189	93 View Check Out History.docx	27	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BP	60	3/30/2015	W7	Daniel	BL	80	2/23/2015	W7	Daniel
190	94 Check out Freezer Security.docx	6	11.25SamplesSecurityData.400	n/a	n/a	n/a	n/a	n/a	BT	29	4/21/2015	W7	Daniel	BL	15	2/24/2015	W7	Daniel
191	94.1 Check out Owner Security.docx	6	11.25SamplesSecurityData.400	CD	32	5/26/2015	W7	Daniel	BR	38	4/10/2015	W7	Daniel	BL	30	2/20/2015	W7	Beth
192	94.2 Check out Field Security.docx	2	11.25SamplesSecurityData.400	n/a	n/a	n/a	n/a	n/a	BR	2	4/10/2015	W7	Daniel	BL	5	2/20/2015	W7	Beth
193	95 Search on Check Out Fields.docx	7	95ViewCheckOutHistory.400	CH	N/A	6/17/2015	W7	Daniel	BR	87	4/13/2015	W7	Daniel					
194	95.1 Print and Export from Inventory List View.docx	14	15SearchEnd.4dd	CH	N/A	6/18/2015	W7	David	BR	76	4/14/2015	W7	Daniel	BL	100	2/23/2015	W7	Daniel
195	97 SAMPLES ENTRY SYSTEM PAGES.docx	10	09.650UDF_SP_BTN_FRZ.400	CH	N/A	6/18/2015	W7	David	BR	40	4/14/2015	W7	Daniel	BL	10	2/23/2015	W7	Daniel
196	98 Upgrades Samples Entry Screens.docx	20	98. FreezerworksULS2_UprgScreens.400	CH	N/A	6/17/2015	W7	David	BR	45	4/15/2015	W7	Daniel	BI	15	2/13/2015	W7	Jeremy
197	99 Data File and Structure Checks.docx	5	98 Upgrades Samples Entry Screens.docx	n/a	n/a	n/a	n/a	n/a	N/A	N/A	N/A	N/A	N/A					
198	100 FreezerworksConfig.ini.docx	9	FreezerworksConfig_Debug.mch3.txt	CF	52	6/4/2015	W7	Daniel	BR	75	4/15/2015	W7	Daniel	BM	5	2/26/2015	W7	Daniel
199	101 Batch Update Attachments.docx	10	15SimpleSearchEnd.400	CH	N/A	6/17/2015	W7	David	BR	51	4/16/2015	W7	Daniel	BL	75	2/23/2015	W7	Rachel
200																		
201	BILL1 Setup.docx	17	New datafile	n/a	n/a	n/a	n/a	n/a	BW	44	5/2/2015	W7	Daniel	BL	90	2/27/2015	W7	David
202	BILL2 Generate Batch Invoice Rep.docx	14	BILL1Setup.400	n/a	n/a	n/a	n/a	n/a	BX	25	5/4/2015	W7	Daniel	BL	38	2/27/2015	W7	David
203	BILL3 View Invoices.docx	16	BILL2	n/a	n/a	n/a	n/a	n/a	BX	38	5/5/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
204	BILL4 Testing and Billing.docx	18	BILL1Setup.400	CH	N/A	6/18/2015	W7	Daniel	BX	40	5/5/2015	W7	Daniel	BM	110	3/6/2015	W7	Daniel
205	BILL5 Billing Tests and Repository.docx	5	BILL4TestingBilling.400	n/a	n/a	n/a	n/a	n/a	BX	27	5/5/2015	W7	Daniel	BM	19	3/6/2015	W7	Daniel
206	BILL6 Receive Payments.docx	8	BILL4TestingBilling.400	n/a	n/a	n/a	n/a	n/a	BX	21	5/5/2015	W7	Daniel	BM	24	3/6/2015	W7	Daniel
207	BILL7 Alternate Customer IDs.docx	5	BILL1Setup.400	n/a	n/a	n/a	n/a	n/a	BW	8	5/2/2015	W7	Daniel	BL	8	2/27/2015	W7	Daniel
208	BILL8 Customers.docx	8	BILL1Setup.400	CH	N/A	6/18/2015	W7	Daniel	BX	19	5/5/2015	W7	Daniel	BL/BM	18	2/27/2015	W7	Daniel
209	BILL9 Permissions.docx	7	BILL1Setup.400	n/a	n/a	n/a	n/a	n/a	BY	25	5/6/2015	W7	Daniel	BL	11	2/27/2015	W7	Daniel
210																		
211																		
212	TR1 Configure Tests.doc	28	15SimpleSearchEnd.400	n/a	n/a	n/a	n/a	n/a	BU	56	4/27/2015	W7	Daniel	BL	65	2/24/2015	W7	Daniel
213	TR2 Testing Module Preferences.docx	13	TR1ConfigureTests.4dd	n/a	n/a	n/a	n/a	n/a	BU	56	4/27/2015	W7	Daniel	BL	50	2/25/2015	W7	Daniel
214	TR3 Order Tests.doc	13	TR2TestingModulePrefere	n/a	n/a	n/a	n/a	n/a	BU	15	4/27/2015	W7	Daniel	BL	10	2/25/2015	W7	Daniel
215	TR4 Pickup Tests.doc	12	TR3OrderTests.4dd	n/a	n/a	n/a	n/a	n/a	BU	24	4/27/2015	W7	Daniel	BL	50	2/25/2015	W7	Daniel
216	TR5 Complete Tests.doc	5	TR4 Pickup.4dd	n/a	n/a	n/a	n/a	n/a	BU	7	4/28/2015	W7	Daniel	BL	20	2/25/2015	W7	Daniel
217	TR6 Chain of Custody.doc	10	TR5 Complete.4dd	n/a	n/a	n/a	n/a	n/a	BV	12	4/28/2015	W7	Daniel	BL	18	2/25/2015	W7	Daniel
218	TR7 Enter Results.doc	18	TR6ChainofCustody.400	CH	N/A	6/17/2015	W7	David	BV	50	4/30/2015	W7	David	BL	30	2/26/2015	W7	Daniel

	A	D	E	F	G	H	I	J	L	M	N	O	P	R	S	T	U	V
1	Validation for Freezerworks 2015 Summit	Pages	Opens With	R3	R3	R3	R3	R3	R2	R2	R2	R2	R2	R1	R1	R1	R1	R1
2			Datafile	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester	Ver	Time	Finish	Operating	Tester
219	TR8 Enter Results Combo.doc	4	TR7EnterResults.4dd	n/a	n/a	n/a	n/a	n/a	BV	12	4/30/2015	W7	David	BL	6	2/26/2015	W7	Daniel
220	TR9 Configure Test Reports.doc	56	TR9ConfigureTestReports.4dd	CG	360	6/11/2015	W7	Daniel	BV	430	5/5/2015	W7	David	BL/BN	170	3/10/2015	W7	Daniel
221	TR9.1 Configure Test Reports Audit Trail.docx	4	TR9.1ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BX	10	5/5/2015	W7	David	n/a	n/a	n/a	n/a	n/a
222	TR10 Samples UDF as Accession.doc	4	TR10ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BX	27	5/5/2015	W7	David	BL	16	2/26/2015	W7	Daniel
223	TR11 GU Aliquot ID as Accession.doc	6	TR11ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BY	13	5/6/2015	W7	Daniel	BM	10	3/3/2015	W7	Daniel
224	TR12 Aliquot UDF as Accession.doc	6	TR12ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BY	10	5/6/2015	W7	Daniel	BM	15	3/3/2015	W7	Daniel
225	TR13 Audit Trail no Reason.doc	8	TR13ConfigureTestReports.4dd	CH	40	6/18/2015	W7	Daniel	BY	42	5/6/2015	W7	Daniel	BM	40	3/3/2015	W7	Daniel
226	TR14 Audit Trail with Reason.doc	10	TR14ConfigureTestReports.4dd	CH	30	6/18/2015	W7	Daniel	BY	36	5/7/2015	W7	Daniel	BM	30	3/3/2015	W7	Daniel
227	TR15 Freezer Security.doc	9	TR15ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BY	54	5/8/2015	W7	Daniel	BM	20	3/4/2015	W7	Daniel
228	TR16 User Security.doc	8	TR16FrzSec.4dd	n/a	n/a	n/a	n/a	n/a	BY	18	5/8/2015	W7	Daniel	BM	16	3/4/2015	W7	Daniel
229	TR17 Tests Ordered Listview.docx	23	TR17EnterResults.4dd	CH	N/A	6/17/2015	W7	David	BX/BY	180	5/7/2015	W7	David	BM	120	3/4/2015	W7	Daniel
230	TR17.1 Test Data on Patient Entry Screen.docx	5	TR17.1TestsOrderedListView.4dd	CH	N/A	6/19/2015	W7	Daniel	BY	12	5/11/2015	W7	Daniel	BM	20	3/4/2015	W7	Daniel
231	TR19 Multiple Reflex Tests Multiple Runs.docx	5	TR19ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BY	11	5/8/2015	W7	Daniel	BM	10	3/5/2015	W7	Daniel
232	TR20 Batch Order Tests.docx	7	TR20TestingModulePretest.4dd	n/a	n/a	n/a	n/a	n/a	BY	26	5/8/2015	W7	Daniel	BM/BN	65	3/9/2015	W7	Daniel
233	TR21 Qualitative Test Flags.docx	3	TR21ConfigureTestReports.4dd	n/a	n/a	n/a	n/a	n/a	BY	11	5/8/2015	W7	Daniel	BM	8	3/5/2015	W7	Daniel
234	TR22 Pickup Tests Check Out.docx	16	TR22TestingModulePretest.4dd	CI	N/A	6/25/2015	W7	Daniel	BY	65	5/12/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
235	TR23 - Turnaround Time.docx	12	TR23ConfigureTestReports.4dd	CL	N/A	6/30/2015	W7	Daniel	BY	47	5/12/2015	W7	Daniel	n/a	n/a	n/a	n/a	n/a
236	TR27 Import Tests and Results.docx	16	New datafile	n/a	n/a	n/a	n/a	n/a	CB	40	5/18/2015	W7	Daniel	BM	60	3/5/2015	W7	Daniel
237	TR27.1 Import Tests and Results Data.docx	16	TR27.1ImportTestsResultsData.4dd	n/a	n/a	n/a	n/a	n/a	CE/CG	274	6/10/2015	W7	Stacia	BM	48	3/5/2015	W7	Daniel
238	TR29 Testing Module Field Security.docx	7	TR29TestsOrderedListView.4dd	n/a	n/a	n/a	n/a	n/a	CB	40	5/18/2015	W7	Daniel	BM	80	3/5/2015	W7	Daniel
239																		
240																		
241	WS1 Freezerworks Web Server User Interface.docx	13	New Datafile	n/a	n/a	n/a	n/a	n/a	CB	33	5/20/2015	W7	Stacia	BY	70	5/8/2015	W7	Sarah
242	WS2 Freezerworks Web Server Default Values.docx	3	New Datafile	n/a	n/a	n/a	n/a	n/a	CD	15	5/27/2015	W7	David	BZ	42	5/14/2015	W7	Stacia
243	WS3 Start Or Stop Web Server Based On Configuration.docx	5	New Datafile/ Server	n/a	n/a	n/a	n/a	n/a	CD	60	5/27/2015	W7	David	CB	60	5/18/2015	W7	Stacia
244	WS4 Audit Trail.docx	7	New Datafile/ Server	n/a	n/a	n/a	n/a	n/a	CD	35	5/27/2015	W7	David	BZ	50	5/14/2015	W7	Stacia
245	WS5 Web Logs.docx	4	Any/Server	CH	90	6/22/2015	W7	David	CD	63	5/27/2015	W7	Sarah	CB	55	5/19/2015	W7	Stacia
246	WS6 Deleting Temporary Files On Startup.docx	2	Any/Server	n/a	n/a	n/a	n/a	n/a	CD	11	5/27/2015	W7	Sarah	CB	33	5/20/2015	W7	Stacia
247	WS7 SSL Connections.docx	5	Any/Server	n/a	n/a	n/a	n/a	n/a	CD	180	5/27/2015	W7	Sarah	CB	77	5/20/2015	W7	Stacia
248	WS9 Web Client.docx	41	art.4DD	CL	60	6/30/2015	W7	Stacia	CI	107	6/24/2015	W7	Stacia	CE	877	5/26/2015	W7	Sarah
249	WS10 PHI Audit Trail.docx	3	WS10.4DD	n/a	n/a	n/a	n/a	n/a	CE	12	5/29/2015	W7	Sarah	CB	10	5/19/2015	W7	Stacia
250	WS11 Ad-Hoc Searches.docx	4	WS11.4DD	CL	17	6/30/2015	W7	Stacia	CI	25	6/24/2015	W7	Stacia	CG	39	6/10/2015	W7	Stacia
251																		
252																		
253	API1 - New Install with Minimum Config.docx	3		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	CG	27	6/12/2015	W8.1	Joshua H.
254	API2 - General Usage.docx	3		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	CG	7	6/12/2015	W8.1	Joshua H.
255	API3 - Passwords.docx	3		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	CG	7	6/12/2015	W8.1	Joshua H.
256																		
257																		
258																		



Sample Pages of Validation and Test Script Documentation

The following samples give a comprehensive overview of the kinds of documents required by our validation process. A complete set of printed documentation is available for inspection at Dataworks. Please contact Dataworks' QA department if you would like to review all printed documentation for Freezerworks 2015 Validation.

Sample 1: The Test Script Outline

Sample 2: Completed Test Script with No Problems

Sample 3: Program Error Reported During Testing

Sample 4: Test Script Error Discovered During Testing

Sample 5: Confirmation Chart for Configurable Fields

Sample 6: Testing Label Printing

Sample 7: Confirmation Chart for Performance Requirements

Sample 1: The Test Script Outline

As required by the SDLC, a Test Script Outline must be created by the programmers to be used by the Validators in Unit Testing and in drafting the formal Test Scripts. This particular change to the software affects Multi-User functionality. The Test Script Outline lists all items to be checked that are linked to that change.

Freezerworks 2015 Multi-User Test Cases

Purpose: This is a document to record test cases that will need to be run as part of our multi-user Test Script.

Contents

Linking Samples to Patients 1

Linking Samples to Patients

- If the sample is linked and the patient record is open, do you get the generic "do you want to wait" with the correct information displayed?
- If you choose not to wait do all the patient fields become read-only even if the sample record is read-write?
- If you choose to wait, and then the patient record becomes available, do the patient fields become read-only or read-write as appropriate for that field?
- If the patient fields are read-only because record is in use, but the fields were 1st in cursor path, does the cursor move to another enterable field?
- No problems if all fields are now non-enterable because of record locking?
- Are the Patient icons/buttons disabled if the Sample is read only?
- Test selecting a locked patient record from the linking dialog. Can they still link, do they get a warning, are the fields read-only, etc.

Patients Entry

- Alert if opening a Patients record that is opened by someone else
- Alert if the record is linked to a Sample and that Sample record is opened by someone else.

Sample 2: Completed Test Script with No Problems

The following is the first page of an eighteen page Test Script chapter testing setup. The Validator has performed and verified each step and no errors were found as indicated by the Project Manager with "Pass" written in the upper right hand corner. The Project Manager has reviewed the page, as noted on the page footer. All printed copies are scanned then stored with the Project Manager.

PASS

1 -- Setup
Freezerworks 2015 – Version 8.0
Summit Edition
August 21, 2014

Tested By: Daniel Using Version: 8.0 BN OS: W7

Date: 3/11/15 Duration: 30 min Round: 2

List of Data Files to Be Created during this Test Plan:

01Setup.4DD

For Project Manager Use Only:

☒ Recording ☒ Data File(s) ☒ N/A Attachments ☒ Control Document

Table of Contents

Setup	2
Login	2
Verify Default Entries	2
System Properties – General	4
System Properties – Security	5
System Properties – Audit Trail	6
System Properties – Freezers	8
System Properties – SOAP Server	9
System Properties – Shipping	10
System Properties – Billing	12
System Properties – Testing	14
About Screen	18

Reviewed By: dl Date: 3/12

01 Setup.doc - Page 1 of 18

Entered in DB: — Doc Corrected: —

Sample 3: Program Error Reported During Testing

The following is a single page of a Test Script from chapter 12 Delete Samples. The Validator has performed each step, but noted two steps in which the program did not function according to the script. The Validator reports the error by making an entry in the Dataworks internal EMP database, which the Project Manager reviews (indicated by "Entered in DB" in the footer). The database assigns the unique tracking number "34752" to the issue and the Validator makes a note of it on the script. The Project Manager follows the detailed SDLC progress of the reported error through the database's "Error Report" and "Disposition & Release" tabs until it passes validation.

40. With the samples still highlighted, select the option to delete again. Click <Yes>.

41. Are you returned to the list view? Y

42. Have all the samples been deleted? Y

43. Does the Window title properly display the record count? Y

44. Click <Done>.

List Deleted Samples

45. Select **View Inventory - List Deleted Samples**.

46. Are there 10 samples listed? N

E34752 Missing Samples

47. Are the following buttons properly displayed on the left side? N

E34752 Missing options

Export	<u>Y</u>
Print:	
Print List	<u>N</u>
Print Report	<u>N</u>
Print Labels	<u>N</u>
Print Count Report	<u>N</u>
Subset	<u>Y</u>
Default Settings	<u>Y</u>

48. Is the button <Close> properly displayed in the lower right corner? Y

49. Click <Close>.

Reset Starting Freezerworks ID to Deleted Value

50. Select **System Admin - System Properties**.

51. Set the Starting Freezerworks ID to the value of the Freezerworks ID from Sample 3 deleted above (this number is on the verification report).

52. Click <Save>. Is the record saved without error? Y

53. Select **Sample Mgmt - Add New Samples**.

Reviewed By: add Date: 1/23 12 Delete Samples (ID 24007) - Page 4 of 5 Entered in DB: David Doc Corrected: —

(Sample 3 continued)

34752--View Deleted Samples

Error Report | Screen Capture (1) | Attachments | Disposition & Release | Code Changes | Audit Trail

Sched Release Version: 8.0 Status: Passed Validation Assigned to: Nate 34752

Entry Date: 1/23/2015 Entered By: DavidM Error Source: In House Client Name: Customer #: 0
Product Name: Freezerworks 2015 Edition: Summit Version #: 8.0BC Add Client: +1 Case #:
Menu: View Inventory Menu Option: Deleted Samples Module Name: Delete Samples
Type of Error: Faulty Behavior Urgency: Medium Impact: Medium Priority: 3 - Medium Operating System: Windows 7

Title: View Deleted Samples

Description of Problem - include steps taken prior to error, how error presents itself, etc.
In the List Deleted Samples Window I am only given 3 out of the 10 samples that I just deleted (sample1, sample2 and sample3) and The only options given on the left hand side are Subset, Export, Default Settings and Re-Highlight. The test script says that I should be given Print, Print List, Print Report, Print Labels and Print Count Report.

Exact Text of Error Message

Test Script Name: T2 Delete Samples Item #: 46
Screen Recording Loc.: \\testpr01\vw2015_8.0\Artifacts\1st Round\Recordings\T2 Delete Samples.tbr
Data File Location: \\testpr01\vw2015_8.0\Artifacts\1st Round\Script Datafiles\T2DeleteSamplesEnd.4DD
Digital Recording Time: 00:18:00 Progress Status: Passed Validation Version Used: 8.0B0 Validated By: Daniel Round: Round 2

All Notes | General | Validation | Disposition | Test Plan

Add

Date of Note	Entered By	Note Type	Note
3/20/2015	Daniel	Validation	***PASSED VALIDATION***
1/26/2015	Nate	General	The button part is a T...
1/26/2015	Nate	Validation	***COMPLETED WITH C

PASSED VALIDATION
I revalidated with 8.0B0 by clicking view all and deleting ten samples and then clicking list deleted samples. All ten samples display without error

Previous Next ☒ Track E/M Save Cancel

34752--View Deleted Samples

Error Report | Screen Capture (1) | Attachments | Disposition & Release | Code Changes | Audit Trail

Sched Release Version: 8.0 Status: Passed Validation Assigned to: Nate 34752

Assigned to: Nate Validated By: Daniel
Owner Responsible: Nate Version Used: 8.0B0 Round: Round 2

Version Numbers

Sched Release Version: 8.0 Code Changed In Dev Version: 8.0B0 Release Version #: Lowest Product Edition:

Level of Effort

Anticipated Difficulty Rating 1(Easy) - 10(Hard): 0 Anticipated Hours: 00:00:00 Cause of Difficulty:
Actual Difficulty Rating 1(Easy) - 10(Hard): 0 Actual Hours: 00:00:00
Date Started: 00/00/00 Date Completed: 1/26/2015
Time Started: 00:00:00 Time Completed: 10:43:01

Cross Referenced EM's

Current EM: 0 Add Delete

Relationship	Related EM

Copy this Error: Copy
Convert to Mod: Convert

Documents

Date: Document Name: Test Script Change Required? Yes User:
Test Script: 01/26/15 m:\files\show\460855f7-3a14-4573-96f8-35115c50f043\0-24007?object=BD47888C-802C-4E Up... Nate
☐ Users Manual Change Required
Manual: 00/00/00 Up...

Previous Next ☒ Track E/M Save Cancel

Sample 4: Test Script Error Discovered During Testing

The following is a single page of a Test Script chapter within chapter 02.1 User Data for the Ascent Edition of Freezerworks 2015. The Validator noticed that the checkbox should be titled “Active User” instead of “Account Disabled”, as required by the specifications and displayed in the software. After consulting with a supervisor, a mistake in the Test Script is determined. The Project manager confirms, and corrects the Test Script as noted by the initials next to “Doc Corrected:”

7. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
8. Select *System Admin*.
9. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
10. Select *Sample Testing*.
11. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
12. Select *Billing*.
13. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
14. Click <Save>.
15. Repeat these steps to add the following users with all permissions checked ON: Owner2, Owner3, Owner4, Owner5, Owner6, Owner7, and Owner8.
16. Add the user Disabled and check ON the ~~Account Disabled~~ checkbox.
17. Return to the list view form.
18. Click <Close>.
19. Exit Freezerworks.
20. Backup the data file to 02.1 Users Data.4DD.
21. Confirm that the following data files have been copied to the Validation Drive:

02.1 Users Data.4DD

Confirm that the recording has been copied to the Validation Drive and enter the name of the recording here: 02.1 Users Data

Data checked tdl 6/9

Reviewed By: tdl Date: 6/9


02.1 Users Data Ascent - Page 2 of 2

Entered in DIB: —

Doc Corrected: tdl

(Sample 4 continued)

The Test Script is corrected at step 16. The MS Word function “track changes” is used any time a Test Script is modified. Below is the resulting corrected document, ready for the next round of validation.

7. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
8. Select *System Admin*.
9. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
10. Select *Sample Testing*.
11. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
12. Select *Billing*.
13. <CTRL>-click on the first blank permission to turn on all permissions. (Note: Use <Command>-click on Mac)
14. Click <Save>.
15. Repeat these steps to add the following users with all permissions checked ON:
Owner2, Owner3, Owner4, Owner5, Owner6, Owner7, and Owner8.
16. Add the user Disabled and check OFF the **Active User** checkbox. 
17. Return to the list view form.
18. Click <Close>.
19. Exit Freezerworks.
20. Backup the data file to 02.1 Users Data.4DD.
21. Confirm that the following data files have been copied to the Validation Drive:

02.1 Users Data.4DD

Confirm that the recording has been copied to the Validation Drive and enter the name of the recording here: _____

Sample 5: Confirmation Chart for Configurable Fields

Due to the configurable nature of Freezerworks, the Test Scripts often contain charts of User Defined Fields for use when confirming the same item for a multitude of fields. The chart displayed below illustrates one set of data used in this round of validation. Each field name in the chart represents a User Defined Field set up to test a unique combination of limits and boundaries for each field type.

462. Are all fields and labels fully visible and spelled correctly? Y

463. Click on the **Restrict Dropdown Lists Based on value of selected Field** dropdown.

464. Are all the following fields listed? Y

Field Name	Check	Field Name	Check
Aliq Boolean 1		Globally Unique Aliquot ID	
Aliq Date 1		Globally Unique Sample ID	
Aliq Text 1		Initial Amount	
Aliq Time 1		Number of Aliquots Total	
Aliquot Number		Number of Aliquots with Position	
Aliquot Type		Numeric 1	
Aliquots Creation Date		Owner NameNumeric 1	
All Testing Complete		Parent Aliquot IDOwner Name	
Attachment Alias		Position 1Parent Aliquot ID	
Check In By		Position 2Position 1	
Checked Out By		Position 3Position 2	
Checked Out Locked		Position 4Position 3	
Check-In Date		Position 5Position 4	
Check-In Time		Sample Creation DatePosition 5	
Checkout Date		Sample Creation Date	
Checkout Time		Sample Type	
Created By Name		Shipment StatusSample Type	
		Short Text 1Shipment StatusSample Type	
Current Amount		All Testing CompleteShort Text 1Shipment Status	
Date Received		ThawsTesting CompleteShort Text 1	
External Patients ID		Total Current AmountThawsTesting Complete	
Freezerworks ID		Unique Aliquot IDTotal Current AmountThaws	
Freezerworks Patient ID		Unique Aliquot IDTotal Current Amount	
Gender		Unique Aliquot ID	

465. Are the values entered for the dropdown list displayed on the left in the box labeled **All Allowable Entries for Dropdown List**? Y

466. Is the list headed **Restricted Dropdown List** empty? Y

467. Select <NONE> from the dropdown for selected field.

468. Is <Add Value> inactivated? Y

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Sample 6: Testing Label Printing

Printing labels and other reports is an important feature of Freezerworks. Below is an example of verifying the Barcode Label feature. If there is an error found when printing a label the validator will enter it in the internal database and write the tracking number on the test script.

Printing All Labels

95. Print one label for each label configuration.

- Every label will print on either the large core CAB EOS1 or the small core TSC printer.
- Print the first label to set the printer alignment
- Write the alignment down in the test script to remember
- Small alignment issues are not errors in Freezerworks but need to be adjusted at the printer level.
- Print rotation is controlled in Freezerworks.
- Examples of Errors:
 - Prints on clear portion of label
 - Prints off BOTH edges of label (Too Big)
 - Prints inside the label too far (Too Small)
 - Prints Dot on wrong side (Combo Flipped)
 - Alignment adjustments can't move the print far enough.
- Place the label on the test script below the label name.

0.5 ml Wrap-Around Portrait

E# 38155

0.9 x 0.9 Slide

100000 T Left T Right
100000 B Left B Right

E# 38080

fixed with 1.0 cc

100000 T Left T Right
100000 B Left B Right

1 ml Wrap-Around Landscape

E# 38159

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Labels are attached to the submitted Test Script.

Sample 7: Confirmation Chart for Performance Requirements

The following chart is an example of one of many pages of “moves” tested with the Move Aliquots option. Due to the configurable nature of Freezerworks, a multitude of freezers must be configured to test all of the various ranges, limits, and boundaries. The sample below shows that not only was each move performed successfully, but was also checked afterwards for accuracy in the Explore Freezers and Audit Trail options.

Verify all Moves

245. Using the chart below, in conjunction with **View Inventory – Explore Freezers** and **System Admin – Search Audit Trail**, verify that all of the moves you just made were saved and are listed in the Audit Trail. Mark each cell for Explore and Audit as you confirm the move.

Sample ID		Freezer	Location	Explore	Audit
MOVE10	from	Test Move 15	Shelf 1, Rack A, Box BB, Row 1, Column I	Y	Y
	to	Red	Shelf 10, Rack Z, Box CA, Row 20, Column H	Y	Y
MOVE10	from	Test Move 15	Shelf 1, Rack A, Box BB, Row 1, Column G	Y	Y
	to	Red	Shelf 10, Rack Z, Box CA, Row 20	Y	Y

Sample ID		Freezer	Location	Explore	Audit
MOVE06	from	Test Move6	Shelf A, Rack 10, Box B, Row BA, Column 100	Y	Y
	to	Orange	Shelf YB, Rack GA, Box 1, Row B, Column FA	Y	Y

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(Sample 7 Continued)

MOVE04	from	Test Move 4	Rack 1, Box A, Row AA		
	to	Freezer 1	Shelf 1, Rack A, Box AA, Row 1	y	y
MOVE03	from	Test Move 3	Box 1, Row A		
	to	Green	Shelf 13, Rack C	y	y
MOVE02	from	Test Move 2	Box 2		
	to	White	Shelf 7	y	y
MOVE04	from	Test Move 5	Shelf 2, Rack A, Box BB, Row 1, Column G		
	to	Test Move 15	Shelf 7, Rack C, Box BB, Row 1, Column G	y	y
MOVE04	from	Test Move 5	Shelf 2, Rack A, Box BB, Row 1		
	to	Test Move 15	Shelf 8, Rack C, Box BB	y	y
MOVE03	from	Test Move 4	Rack 2, Box A, Row A		
	to	Test Move 4	Rack 8, Box A	y	y
MOVE02	from	Test Move 3	Box 2, Row A		
	to	Green	Shelf 14	y	y
MOVE05	from	Test Move 5	Shelf 1, Rack A, Box BB, Row 2, Column A		
	to	Test Move 14	Rack A, Box BB, Row 1, Column A	y	y
MOVE04	from	Test Move 4	Rack 1, Box A, Row B, Column 1		
	to	Test Move 13	Rack A, Box BB, Row 1	y	y
MOVE03	from	Test Move 3	Box 1, Row B, Column AA		
	to	Test Move 12	Rack A, Box AA	y	y
MOVE01	from	Test Move 2	Box 3, Position A		
	to	Test Move 11	Rack A	y	y
MOVE05	from	Test Move 5	Shelf 1, Rack A, Box BB, Row 2, Column B		

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Certificate of Validation

Dataworks Development, Inc. hereby certifies that its latest product, Freezerworks® 2015 version 8.0, has been developed using the highest possible design and coding standards as set forth in the Dataworks Software Development Life Cycle.

Freezerworks® 2015 has undergone formal in-house validation testing in the Windows and Macintosh operating systems. The validation test scripts are written to ensure that the software program performs in a manner consistent with the approved functional specifications for this version. They include new code tests as well as regression testing.

Dataworks will maintain validation documentation on-site at the main Dataworks offices in Mountlake Terrace, Washington. Access to the documentation will be available to customers (non-disclosure agreement required) and authorized governmental or regulatory agencies.

Freezerworks® 2015 has passed all Dataworks validation requirements and procedures and is hereby approved for release on July 1st 2015.

A handwritten signature in blue ink that reads 'Shannon Murray'. The signature is written over a horizontal line.

Shannon Murray
Dataworks Development, Inc.
Quality Assurance Manager
Vice President