



Oh!! We Should Have Checked That!

Release Testing at the
University of Iowa
Libraries

Sue Julich
Systems Librarian



Statement of Problem

- Each new ALEPH release requires a thorough review and testing of all components of the system
 - Tables
 - Indexes
 - Processes
 - Displays
 - Forms
 - Messages



Iowa's Implementation History

- August 2000 —Rel. 12.4
- Summer 2001 —Rel. 14.2
- Spring 2002 —Rel. 14.2.6
- Winter 2003 —Rel. 15.2
- 2004 —Rel. 16.x



Release Installation and Data Review

- Release installed on test server
- Generic client is distributed to testers
 - Overview Testing
 - Has data converted correctly
 - Is basic functionality stable (ability to retrieve records, edit records, save records, etc.)
 - Tables reviewed

Indexes

- Indexes are built
- Client is lowa-ized
- Documentation is posted on the InfoHawk Intranet web site



Upgrade Process Cont.

- Detailed Testing
 - Functionality Testing
 - Workflow testing
 - Configuration clean-up (i.e., tables)
 - Security Testing
 - Client testing



Upgrade Process Cont.

- Review the Indexes
- Batch products
- Import/Export
- New Features or new Iowa initiatives





InfoHawk Problem Report

 [Return to InfoHawk Home](#)

Please fill out the form as completely as possible. (* = Required field)

Problem Subject (up to 50 characters) *

Iowa Problem Tracker *

Your Email Address *

Priority

Functional Group Approval? Yes No

Which Group?



Move to Production

- Web OPAC points to the test server
- Staff security to Read-Only
- Test Server available for training and documentation
- Offline or manual circulation

Problems

- Table & Client configuration problems divert attention from functional testing
- Using the same testers over and over and over



A chalkboard with two pieces of pink chalk and some faint white chalk drawings. The chalkboard is green and has several white chalk marks, including a large 'V' shape and some scribbles. The two pieces of pink chalk are lying on the board, one upright and one lying on its side.

Tester Burnout

Or “Not Seeing the Forest for the Trees”

TTL=little women

- 17 Little women
- 1 Little women, a comedy in four acts
- 1 Little women : a family romance
- 1 Little women, a play in three acts and an epilogue
- 1 Little women an opera in two acts



Displayed as

- 17 Little women
- 1 Little women
- 1 Little women
- 1 Little women
- 1 Little women



Favorite Problem Syndrome

Or “Hasn’t that been
fixed yet?”





What are we doing differently?

1. Do more systems configuration work up front
2. Create Testing Scripts which allows us to spread the testing around among a larger group of staff

Configuration Time

1. Spend 4-6 cleaning up before turning over to testers
 - A. Tables
 - B. Client
 - C. Displays





Create Testing Scripts

- Some very detailed
 - Students and support staff
 - Does not require interpretation of data
- Others more general
 - InfoHawk team member; experienced staff
 - Requires interpretation


File Edit View Insert Format Tools Data Window Help

Type a question for help

Arial 10 B I U

C261

	A	B	C	D	E	F	G
1	FORMS	BIBLIOGRAPHIC RECORDS					
2	<p>Notes: Determine if the appropriate forms are available for use. Check that the form is available (i.e., it opens with Ctrl + F) and appropriate and any information entered is transferred to the record correctly.</p>						
3							
4	Create a new record of type BK	The following two fields are required and must be added with a form.	Form Supplied?	Help on Field Works?	Comments		
5							
6		LDR	Y ___ N ___	Y ___ N ___			
7		008	Y ___ N ___	Y ___ N ___			
8							
9		Add the following field using F6 and then use Ctrl+F to open the form	Ctrl+F opens the Correct Form?	Help on Field Works?	Comments		
10		001	Y ___ N ___	Y ___ N ___			
11							
12		Add the following fields using F5 and then use Ctrl+F to open the form	Ctrl+F opens the Correct Form?	Help on Field Works?	Comments		
13		010	Y ___ N ___	Y ___ N ___			
14		015	Y ___ N ___	Y ___ N ___			
15		017	Y ___ N ___	Y ___ N ___			
16		018	Y ___ N ___	Y ___ N ___			
17		020	Y ___ N ___	Y ___ N ___			
18		022	Y ___ N ___	Y ___ N ___			
19		025	Y ___ N ___	Y ___ N ___			
20		027	Y ___ N ___	Y ___ N ___			
21		028	Y ___ N ___	Y ___ N ___			
22		030	Y ___ N ___	Y ___ N ___			
23		041	Y ___ N ___	Y ___ N ___			
24		042	Y ___ N ___	Y ___ N ___			
25		043	Y ___ N ___	Y ___ N ___			
26		044	Y ___ N ___	Y ___ N ___			
27		050	Y ___ N ___	Y ___ N ___			
28		082	Y ___ N ___	Y ___ N ___			

File Edit View Insert Format Tools Data Window Help							
A	B	C	D	E	F	G	
1	Acquisitions/Administration						
2							
3	Client	Instructions	Did it work?	Comments			
4							
5	Acquisitions	Display the Vendor List in Acquisitions by pressing F6 (activates the Admin node), then use the arrow key to move the cursor down to [V] Vendors	___ Y ___ N				
6							
7	Acquisitions	Search by Name for Academic Resources Corp	___ Y ___ N				
8							
9	Acquisitions	Search for the same vendor by code: ACADEMICR	___ Y ___ N				
10							
11		Display the Vendor Record for Academic Resources Corp by highlighting it in the list and typing Alt+M	___ Y ___ N				
12							
13	Acquisitions	Review General Information to determine if the following fields are completed:					
14							
15	Acquisitions	Vendor Code (should be ACADEMICR)	___ Y ___ N				
16							
17	Acquisitions	Vendor Name (should be Academic Resources Corp)	___ Y ___ N				
18							
19	Acquisitions	Vendor Language (should be ENG)	___ Y ___ N				
20							
21	Acquisitions	Vendor Status (should be AC)	___ Y ___ N				
22							
23							
24							
25							
26							
27							
28							
29							

OPAC-testing - Microsoft Word

File Edit View Insert Format Tools Table Window Help

Type a question for help

Times New Roman 12

refs, and Note (Ex: Twain, Mark; Bible O.T. Genesis). It should not display the See from refs.

7. → Add to Basket search and My Basket (be sure to check formatting of records—this has been an issue in the past)

8. → Review/Combine Searches (check AND, OR, and NOT)

9. → Course Reserve

10. → Journal Search

a. → URLs: Check that all URLs work and go directly to site (in a new window) from brief list, full view and holdings (and make sure they are located correctly on screen)

- → Make sure URL displays on ELEC holdings and for other sublibraries
- → InfoLink button displays (check non-serial) (keyword for netlibrary or advanced search for online)
- → Check a long URL (Ex: Asian theatre journal)
- → Check with \$3 (Asian theatre journal)
- → Check with \$z (OCLC FirstSearch or keyword for netlibrary (z follows URL))
- → Check with both \$3 & \$z (Ethical issues in human stem cell research)
- → Check when more than 2 URLs are in record (2 in brief, all in full and hol) Ex: Biochimica et biophysica acta
- → Check a URL with an & in it (Ex: American zoologist)

Page 3 Sec 1 3/3 At 2.1" Ln 6 Col 4 REC TRK EXT OVR English (U.S.)



Our Hopes and Dreams

- More distributed and equitable testing process
- Less time spent by libraries staff
- Less frustration for all