

1 STP2 Web Interface Testing Results

1.1 Severity Levels

Pass - Requirements are met. No issue. Low - Minor, should be fixed when time allows. Cosmetic, expected to be

rare, or easily worked around.

Medium - Should be fixed prior to deployment if time allows, or shortly

thereafter if not. Does not impact usability very much, but will be perceived as an annoyance or bug by users. High - Critical; should be fixed prior to deployment. Affects

usability, reduces functionality from STP-1, or results in incorrect results.

1.2 Checklist Items

1.2.1 Web Interface verifies PLM patch number is correct and available

Severity: Medium

Location: stp2-request-2.pl

ok - Entry of PLM patch number "907"

- Should be: Allowed
- Behavior: Allowed

not ok - Entry of PLM patch number "100000000000"

- Should be: Not Allowed
- Behavior: Allowed

not ok - Entry of PLM patch number "fdsafdsa"

- Should be: Not Allowed
- Behavior: Allowed

1.2.2 Web Interface allows search for PLM patch number

Severity: Low

Location: stp2-request-2.pl

not ok - Click on '[Search for PLM Patch ID ..]'

- Should be: Pops up PLM page
- Behavior: Replaces current page (user must click "back")

1.2.3 Web Interface links to test descriptions

Severity: High

Location: stp2-request-1.pl

not ok - Click on 'details'

- Should be: Display page with list of test descriptions
- Behavior: "Not Found"

Note: Mixed case in static filenames of webpages is not consistent with OSDL web standards. ("STP_Test_Descriptions.html") Should be all lowercase.

1.2.4 Web interface has search engine for test results

Severity: High

Location: stp2-userpage.pl

not ok - Click on search link

- Should be: Takes user to new search system
- Behavior: Takes user to old search system

Note: Search link goes to https instead of http

1.2.5 Web interface properly authenticates user

Severity: Pass

ok - Prompts for login of user

1.2.6 Database shows proper state after test failure

Severity: Not tested

skip - Not a web interface testing requirement

1.2.7 We can look at a failed test and verify where it failed

Severity: High

Location: stp2-userpage.pl

not ok - Click on ID for a failed test

- Should be: Indicates where failure occurred
- Behavior: No such information provided

Note: For failed tests, the "View Results" link is broken (reports "Not Found").

1.2.8 Look and feel of new Web content meets OSDL standards

Severity: High

Location: All pages

not ok - Test request status table look and feel

- Should be: No spacing between cells

```
<TABLE WIDTH="100%" BORDER="0" CELLPADDING="5" CELLSPACING="0">
```

- Behavior: Undesired spacing between cells
- ```
<table>
```

not ok - Ties into OSDL header/footer web template build system

- Should be: Uses the main header.inc and footer.inc files
- Behavior: Framework HTML is hardcoded into each perl script

not ok - Test request status table look and feel

- Should be: Grey bars show across width of table
- Behavior: On Netscape, bars do not show for Host or Completion Date for tests in progress

not ok - Contact information

- Should be: Appear consistent
- Behavior: "Email" should not be capitalized  
RHS of line not aligned with second column.

not ok - More results link

- Should be: "More..." link goes to page with more test results
- Behavior: Does not go to new page with more test results

not ok - Large tables paged to N items per page

- Should be: Displays "Next N" and "Prev N" if more results
- Behavior: All test results displayed in single page

***not ok - On stp2-request-2.pl, Patch Tag is not valigned to top***

Note: Test result pages are in "raw" HTML, with no background, no nav framework, and no OSDL markings. This makes them appear to be broken, as this is inconsistent with how all the other STP2 pages look.

### **1.2.9 Daily/hourly scripts run correctly and return proper data**

Severity: Not tested

skip - There wasn't a way to validate this via the web interface.

### **1.2.10 Linkage with PLM - new PLM kernel triggers auto-queue of test list**

Severity: Not tested

*skip - There wasn't a way to validate this via the web interface*

#### **1.2.11 Web interface properly links test request and user in database**

Severity: Not tested

skip - There wasn't a way to validate this via the web interface.

#### **1.2.12 Web interface presents the STP1,2,4,8 class as available when needed**

Severity: Not tested

skip - There wasn't a way to validate this via the web interface, although a review of the code did not reveal any reason why it shouldn't.

#### **1.2.13 Web interface does not present the STP1,2,4,8 class when it's not available**

Severity: Not tested

skip - There wasn't a way to validate this via the web interface, although a review of the code did not reveal any reason why it shouldn't.

### **1.3 Other Issues (Not on Checklist)**

#### **1.3.1 STP homepage is updated to point to STP2**

Severity: High

Location: /stp/

not ok - Description of STP

- Should be: Describes current STP at top level
- Behavior: Describes old STP and is outdated (indicates CVS)

not ok - Clicking on "USERPAGE" on /stp/

- Should be: goes to STP-2 userpage
- Behavior: goes to STP-1 userpage

not ok - Clicking on "SEARCH TEST REQUESTS"

- Should be: goes to new STP-2 test request search engine
- Behavior: goes to old STP-1 test request search engine

not ok - Clicking on "DESIGN CONCEPT"

- Should be: Displays STP-2 design document
- Behavior: Displays STP-1 design document

not ok - Clicking on "AVAILABLE TESTS"

- Should be: Displays test listing using new test system
- Behavior: Displays test listing using Eidetic

not ok - Clicking on "ADD TEST"

- Should be: Describes how to add a test to STP-2
- Behavior: Describes how to add a test to STP-1

ok - Clicking on "CODE"

- Should be: Goes to stp SourceForge page
- Behavior: Goes to stp SourceForge page

not ok - Clicking on "Tests queued for execution"

- Should be: Displays queued tests using STP-2
- Behavior: Displays queued tests using Eidetic

not ok - Clicking on "Tests in progress"

- Should be: Displays in progress tests using STP-2
- Behavior: Displays in progress tests using Eidetic

not ok - Clicking on "Completed Tests"

- Should be: Displays completed tests using STP-2
- Behavior: Displays completed tests using Eidetic

### **1.3.2 "PLM HOWTO" link goes to PLM documentation**

Severity: Low

Location: stp2-userpage.pl

not ok - Clicking on PLM HOWTO link

- Should be: Goes to a document at <http://webtest/plm/> or similar
- Behavior: Goes to a document at <http://www.osdl.org/~smurf/>

### **1.3.3 "Return home" link goes to STP-2 userpage**

Severity: Medium

Location: stp2-request-1.pl

not ok - Clicking on "Return home" link in top right corner

- Should be: Goes to stp2 userpage on webdev
- Behavior: Goes to osdl.org

### 1.3.4 Error messages returned if user enters invalid inputs

Severity: Low

Location: stp2-request-2.pl

not ok - Going directly to URL

"http://webtest/cgi-bin/auth/stp2-request-2.pl" results in an entry page. Clicking on "Send" button takes user to userpage, but not test appears to have entered, and no error msg returned.

### 1.3.5 STP-2 is Cross-platform

Severity: High

Location: stp2-userpage.pl

not ok - Userpage interface with Netscape 4.x

- Should be: Displays news, links to new test, search, etc.
- Behavior: All links missing; only displays test request table

ok - Konqueror 2.2.1

- Should be: No issues found
- Behavior: No issues found

### 1.3.6 Test results retrievable when available

Severity: Medium

Location: stp2-userpage.pl

not ok - Entry of a test request ID # on userpage

- Should be: Loads respective results page or error page
- Behavior: Displays "Not Found"

not ok - Clicking on results prior to test completion

- Should be: No "results" link should be provided
- Behavior: Results in "Not Found"

### 1.3.7 Test Request Priority

Severity: Low

Location: stp2-request-1.pl

not ok - Sorting of test request Priority

- Should be: Low/Medium/High
- Behavior: High/Low/Medium

### 1.3.8 Installation

Severity: High

Location: /home/www/cgi-bin

not ok - cgi script permissions/ownership

- Should be: cgi scripts owned by user www
- Behavior: cgi scripts owned by root

not ok - file availability

- Should be: cgi scripts present in CVS
- Behavior: cgi scripts found on webdev only?

## 1.4 Suggestions

1. Put a meta-refresh with 1-min timeout in userpage header instead of [refresh] link.
2. With as much effort went into making the system use XML internally, it is surprising that it does not provide test result metainfo in XML, or some mechanism that makes it easy for users to automatically process their results. If this is possible, it needs to be documented.

## 2 STP2 Documentation Review

### 2.1 User Guide

The user guide is just a copy of the STP1 guide, except that it has been converted into DocBook, with information about submitting patches has been updated. The guide is not available from the web, though it can be downloaded via CVS and generated via a makefile. The HTML version generated lacks the OSDL look and feel, however, and splits the document up into a series of pages, instead of all on a single page, as before.

### 2.2 Installation

A file stp-ch2.sgml contains installation information in DocBook format. It is not finished (there are misspellings and inconsistencies regarding whether the interface is in Perl or PHP), but appears to be adequate.

Note that the standard Perl installation mechanisms are not employed, though. It would be a good idea to run sdist to create basic installation makefiles documents. This would also generate stubs of other packaging documents such as a README, COPYING, MANIFEST, CHANGES, etc. which are required in order to distribute a Perl application.

Note that plain text is almost assuredly preferable to DocBook (or HTML or PDF) for installation instructions, since the installer will likely be referring to it from the commandline, and may not even have a PDF or web browser available. It is likely they will not have docbook installed to be able to generate those files, either. Plain text versions should be generated from the DocBook (or vice-versa).

## 2.3 Administration

No administrative documentation was found, other than the installation directions.

Note that it would be wise to produce the Admin docs as man pages so that they are consistent with how admin docs have traditionally been done.

## 2.4 Design/Architecture

Little design/architecture documentation was found. There are some skeletal files listing API functions, etc. but are too terse to serve as design documentation without extensive elaboration.

In particular, while there does seem to be logic to how the source files are organized, there is no top level document defining the purpose of the different modules, which may make it somewhat harder to intuit where specific program logic is. Most of the source code files have some terse comments embedded, but nothing extensive. And unfortunately, these comments are not written in a form that would allow code-level documentation to be autogenerated from them (via POD or Doxygen or similar). Future developers and maintainers may find it challenging to work on STP2, for these reasons.