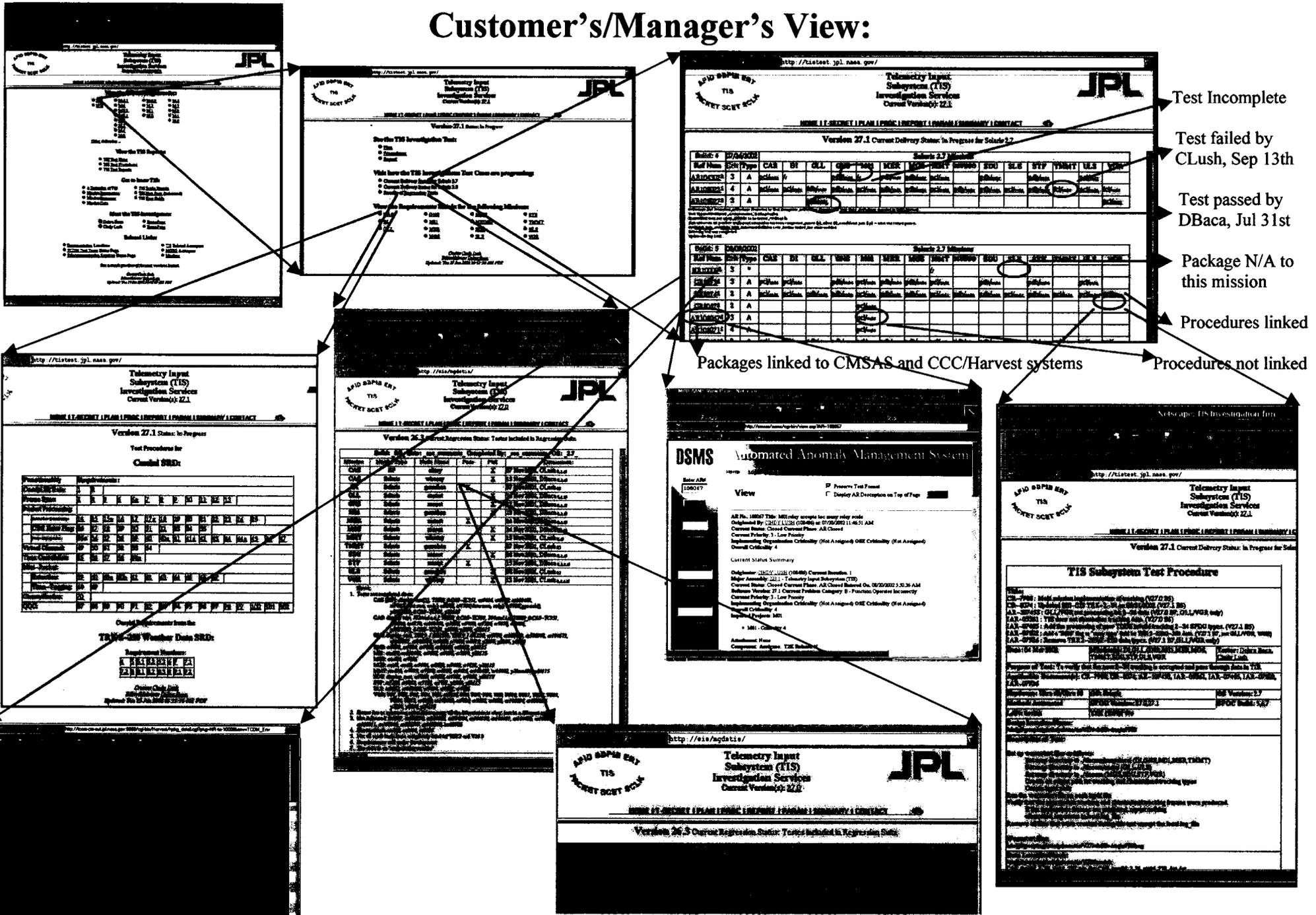


Customer's/Manager's View:



- Customers and Managers are able to view how testing is proceeding as the delivery progresses.
- They can view the test procedures to see how tests were run and links are available to the version test plans/reports.
- They can view what functionalities are being tested with which tests.

Customer's/Manager's View:

The screenshots show various views of the test and delivery management system:

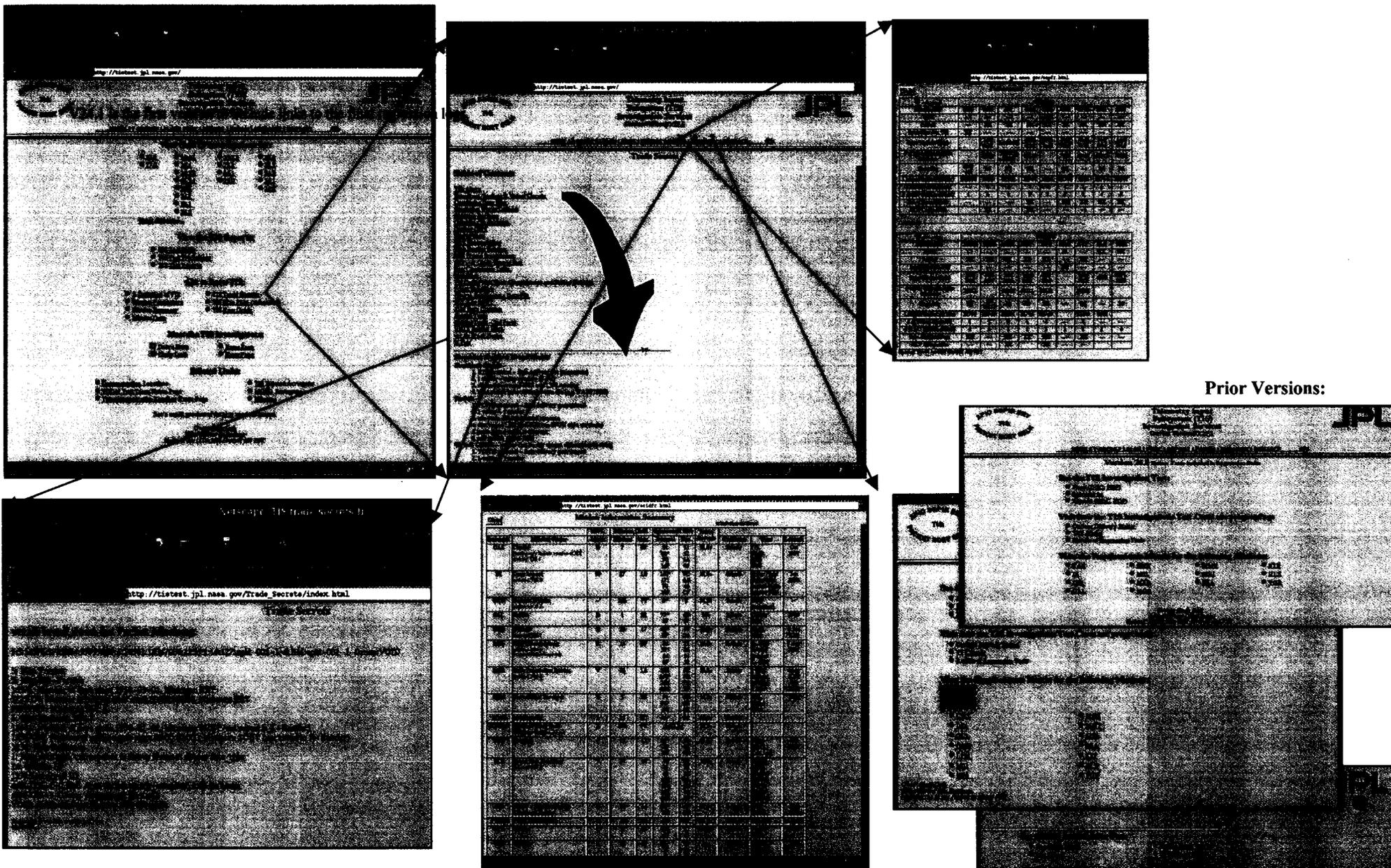
- Top Left:** A summary page with a navigation menu.
- Top Middle:** A page with a table of test results and a JPL logo.
- Top Right:** A detailed test results table with columns for test ID, status, and dates. Labels point to specific rows: "Test Incomplete", "Test failed by CLush, Sep 13th", and "Test passed by DBaca, Jul 31st".
- Middle Left:** A page titled "Telemetry Instrument Subsystem (TIS) Investigation Results" with a table of test results.
- Middle Center:** A page with a large table of test results and a JPL logo.
- Middle Right:** A "DSMS Automated Avionics Management System" page showing a "View" section with status information like "All Pkgs. 10007 TMs: MDR relay accepted for many relay tests" and "Overall Criticality: 4".
- Bottom Left:** A page with a table of test results.
- Bottom Center:** A page with a JPL logo and some text.
- Bottom Right:** A page with a table of test results and a JPL logo.

Labels on the right side of the collage:

- Test Incomplete
- Test failed by CLush, Sep 13th
- Test passed by DBaca, Jul 31st
- Package N/A to this mission
- Procedures linked
- Procedures not linked
- Packages linked to CMSAS and CCC/Harvest systems

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Test Engineer's View:

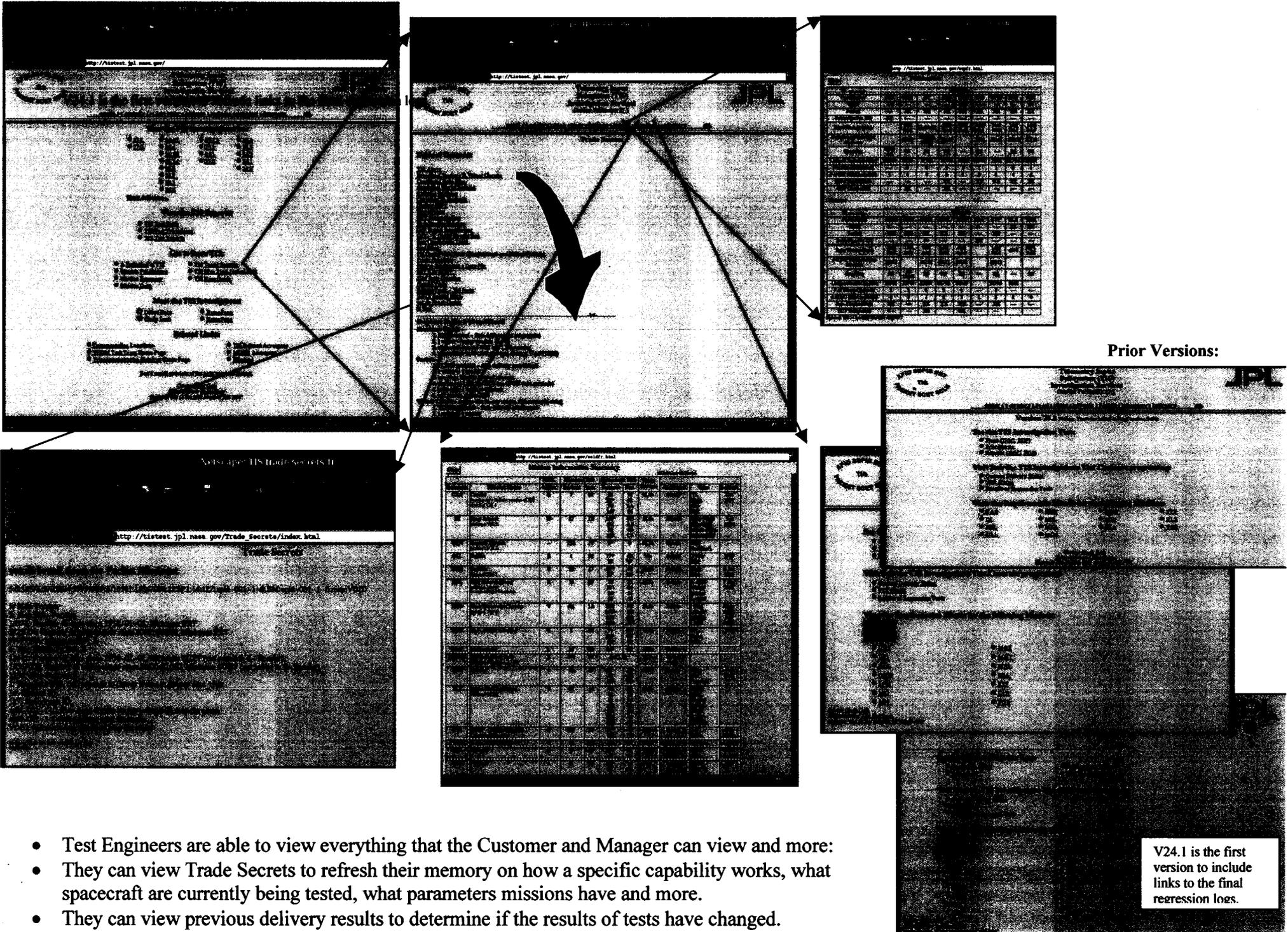


Prior Versions:

- Test Engineers are able to view everything that the Customer and Manager can view and more:
- They can view Trade Secrets to refresh their memory on how a specific capability works, what spacecraft are currently being tested, what parameters missions have and more.
- They can view previous delivery results to determine if the results of tests have changed.

V24.1 is the first version to include links to the final regression logs.

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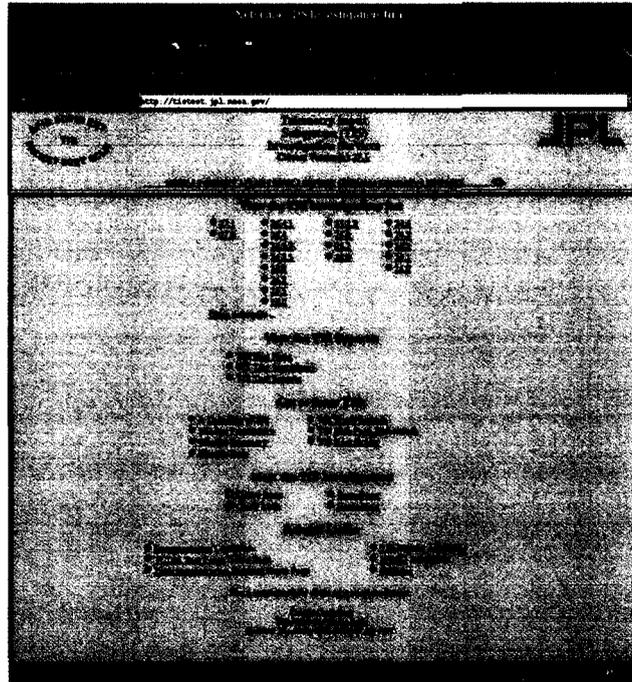
Test Tracking Using Web Page Technology

Abstract:

Ambitious new project demands on the Advanced Multimission Operations System (AMMOS) ground system are requiring more testing of the subsystems from the test engineers. In the past, the results of the individual tests were recorded on paper or committed to memory. Now that several subsystems have multiple test engineers this method will not work for effective test coverage. Utilizing the Web, test engineers at various locations are able to track which tests have been completed, which tests still need to be completed, view procedures for completed tests, and view actual test results. Test engineers are also able to review past software version histories and test results. Because this information is accessible via the web, customers and managers are able to monitor how testing is progressing for the subsystems.

Typical methods for coordination among the AMMOS subsystem test engineers are to use products such as excel, word, and paper to accomplish the same endeavors as the web page.

The use of a poster session will allow one-on-one instruction/info on the various screens available and how it is possible to track multiple, concurrent software versions. Users will be allowed to browse through the web pages.



Web enabled technology is driving more and more systems and testing is yet another one. The screens will show how the task of managers and testers is made easier by knowing where the testing process is. Use of historical databases will provide some guideline to the tester in enhancing their job.

Telemetry Input
Subsystem (TIS)
Investigation Services

<http://tistest.jpl.nasa.gov/>

Presented by:
Cindy M. Lush
CSC - ISDS Team, JPL Section 369

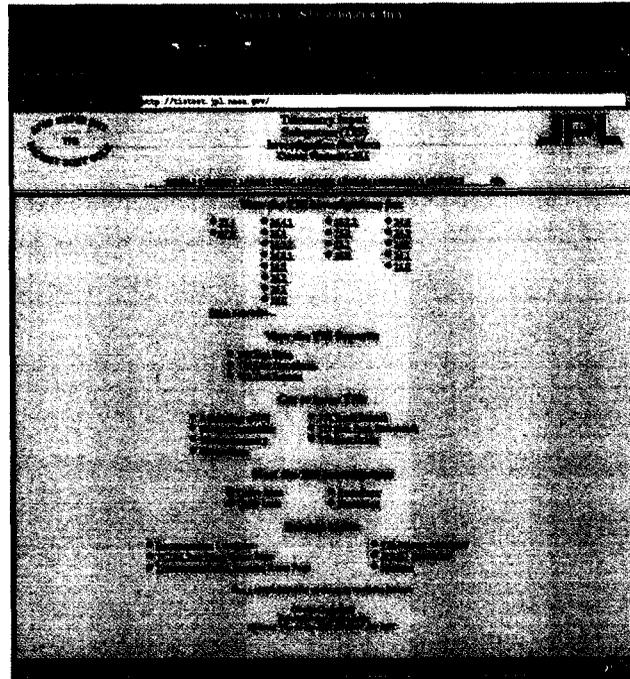
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