Status of Implementing ATC Method 2a at ITC

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Providing support in quality assurance and data management for radiation therapy clinical trials

ATC Method 2 Test Cycle

1. RCET installs updated software on POLARIS
2. Pre-test evaluation by ITC
3. POLARIS disconnected from Internet (TEST MODE)
4. ITC tests software
   a. Evaluation of database changes
   b. UI function checks
   c. Upload/download/comparison of test data
   d. Evaluation of administrative tools, web-based image viewer
5. ITC reports findings to RCET (and ATC)
6. POLARIS connected to Internet (UPDATE MODE)
7. RCET updates software to correct problem(s)
   (Restart cycle)

Timeline for testing version 2.4 at ITC

1/12/06 ITC receives formal notification that version 2.4 software is ready for testing

1/13/06 RCET/ITC teleconference to review bug fixes in version 2.4

2/2/06 ITC issues Pre-Test report for version 2.4 indicating WebSys client installation issues and failure to retrieve uploaded data

2/10/06 RCET issues document identifying corrections planned to address problems found by ITC; teleconference held to discuss status

3/1/06 ITC receives formal notification that version 2.4.1 software is ready for testing

3/8/06 ITC issues Pre-Test report for version 2.4.1 indicating continuing failure to retrieve uploaded data (WebSys crashes)

Timeline for testing version 2.4 at ITC

3/15/06 RCET installs updated WebSys client (v. 2.4.2) on POLARIS

4/3/06 Release notes for version 2.4.2 and announcement that system is updated and ready for testing received by ITC

4/13/06 ITC issues pre-test report for version 2.4.2 indicating failure to retrieve successfully uploaded data (viewable via Rapid Image Viewer)

5/3/06 RCET evaluates ITC pre-test report (4/13/06) and issues statement indicating resolution of MIME-types problem in downloading data from server

5/4/06 ITC begins pre-test evaluation of version 2.4.2.1.

5/8/06 RCET indicates release of version 2.4.2.2 with bug fixes based on internal QA and NCIC response. ITC halts pre-test evaluation of version 2.4.2.1.

Timeline for testing version 2.4 at ITC

5/26/06 ITC receives notification that updated version 2.4.2.2 with bug fixes based on internal QA and NCIC response has been installed on POLARIS server.

6/5/06 ITC issues pre-test report for version 2.4.2.2 indicating failure to retrieve successfully uploaded RTOG Data Exchage format data (indicated in Electronic Folder).

6/7/06 RCET announces resolution of problems in pre-test report (6/5/06) for version 2.4.2.2.

6/13/06 ITC issues pre-test report for version 2.4.2.3 indicating that problems noted in version 2.4.2.2 (failure to retrieve uploaded RTOG Data Exchage format data) remain.

Summary

- Since January 2006 ITC has performed preliminary testing on six versions (configurations) of RCET client/server software:

2/2/06	v. 2.4	fails to retrieve DICOM data
3/8/06	v. 2.4.1	crashes, fails to retrieve DICOM data
4/13/06	v. 2.4.2	fails to retrieve DICOM data
5/4/06	v. 2.4.2.1	(testing halted when 2.4.2.2 released)
6/5/06	v. 2.4.2.2	fails to retrieve RTOG format data
6/13/06	v. 2.4.2.3	fails to retrieve RTOG format data

- Several issues (WebSys client install, DICOM download, Rapid Image Viewer grayscale) have been addressed.

- Formal testing (upload/download/comparison of ITC test suite datasets) has not yet been started with v. 2.4.