

SOFTWARE QUALITY ASSURANCE PLAN FOR THE ASSESSMENT TRACKING SYSTEM (ATS)

Applicable SQA Elements:

- For future reference, the basis for the SQA category determination should be documented:

The purpose of ATS is to provide ORNL with a centralized tool for planning/scheduling assessments, tracking and managing actions associated with assessments or that result from an event or condition, and “mining” data for reporting and analyzing information for improving performance. Given the scope, size, and complexity of this software project a Category 1 (Moderate Impact) was assigned.

- Sufficient verification and validation should be performed to ensure the software works correctly and meets customer requirements. Verification and validation techniques that should be considered include testing (e.g., unit, integration, system, acceptance), structured walkthroughs, peer reviews, inspections, and audits.

V&V is performed on the system in a number of ways including: Customer feedback (verbal or written); weekly review of the ATS SCREAM database (tool utilized to report & tracking request for system improvement consideration); system assessments by the developer and the ATS administrator.

The three environments of ATS (DEV, TEST, and PROD) currently reside on two servers - QACAWEB and QACAWEB-DEV (see above for more detail). The databases are Microsoft SQL Server 2000 databases. A small Microsoft Access XP Administrator's front-end resides in the ATSAADMIN shared directory of QACAWEB.ORNL.GOV (\\qacaweb.ornl.gov\atsadmin).

The application is currently supported in DEV, TEST, and PROD environments as follows:

DEV:

- Website: <http://atsdev.ornl.gov>
- IIS Web Server: qacaweb-dev.ornl.gov
- SQL-Server database: "atsdev" residing on qacaweb-dev.ornl.gov
- Access Admin tool: \\qacaweb.ornl.gov\atsadmin\ATSAAdmin_DEV.ade

- A Configuration Management Plan should be developed or adopted to assist with the management of changes to the software.

Specifications covering ATS software change control may be viewed at:
https://ats.ornl.gov/Specifications/Default.htm#Configuration_Management

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