TESTING THE SYSTEM

Before MDEC goes live in Anne Arundel County, testing of MDEC system components (Odyssey system and other systems that interact with it), will be done by quality assurance teams at JIS in conjunction with end users. The teams will verify that all MDEC system components meet the functional (does it do what it's supposed to do?) and performance (can it handle our workload?) expectations of the Judiciary.

The Odyssey system will be tested using both manual and automated testing methods.

Members of the QA team will guide end users through the user acceptance testing process to obtain feedback on their experience.

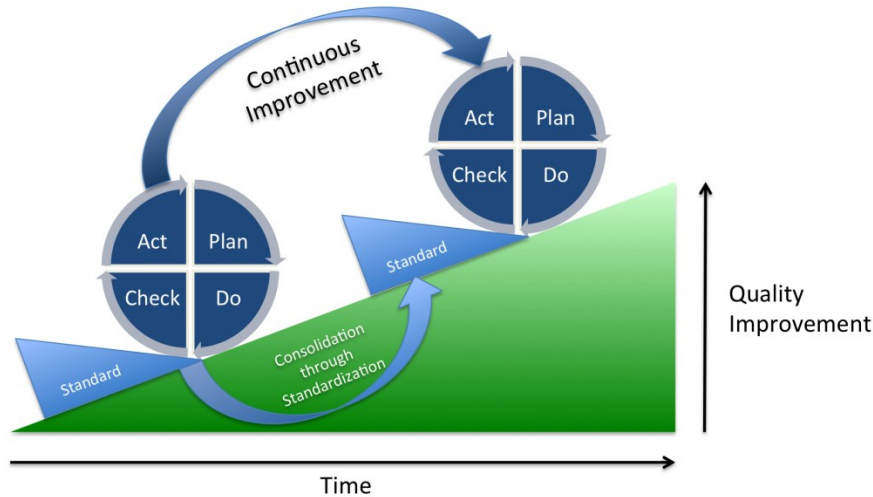The benefits of software testing include the following:

- <u>Improved Quality</u> - Testing results can be used to enhance or benchmark system performance.

- <u>Reduced Cost</u> - The earlier a defect or bug is discovered by testing, the less retesting and development rework is necessary, which can cut implementation costs.

- <u>Reduced Risk</u> - Testing and resulting improvements increase confidence that the system will function to expectations, and will operate successfully with end users.

JIS Q&A Functional and Performance Test Team (L to R) Karuna Biswas, Carolyn Fleary, Marquita Spriggs, and Anoh Brou.

TESTING THE SYSTEM (cont.)

There will be two primary phases of testing conducted for MDEC:

System Testing: The MDEC system will be exercised to confirm that all features work as planned. It will be tested for functionality, performance under load, handling of errors, and so forth. Defects and bugs identified will be corrected before putting the system into the hands of end users.

User Acceptance Testing: This phase will provide a formal means for ensuring that the system actually meets the necessary requirements, from the end user perspective. It is intended to test the system in as close to a full normal day-to-day operational environment as possible, before deploying for general use. Members of the MDEC team will guide end-users through the testing process and obtain feedback on their experience.

"All code [computer programming] is guilty, until proven innocent."

Anonymous