TEST AUTOMATION CHALLENGES & OPPORTUNITIES

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DISCUSSION TOPICS

- Market Challenges
 - Program Focus and Approach
 - Implementation Approach
- Test Automation Value
- Open Discussion



MARKET CHALLENGE

Testing has long been one of the greatest challenges for Health Systems in support of EHR implementations, upgrades and surround technologies.

A LACK OF...

- Time
- Budget
- Ownership & Accountability
- Capacity to Test More
- Formal Test Plans
- Qualified Test Resources
- Integrated Testing

A NEED TO...

- Manage Change
- Optimize and Protect your EHR investment
- Eliminate the "I Love Lucy" syndrome
- Have formal Test plans that
 - Increased Test Capacity and Frequency
 - Have defined Outcomes to Assure Quality
 - Tangible results matching expectations
 - Negative Test Scenarios
- Complete Scope of Testing
 - Technology (Epic/Cerner/MEDITECH)
 - Surround Environments/Ecosystem
 - Performance

Santa Rosa has developed a full service Test Solution that assures Test Success from initial Go Live through Upgrade Management

RESPONSE: COMPREHENSIVE TESTING PROGRAM

A full service 'End to End' Test solution that couples advanced test technology with industry certified resources who understand the Health System Eco-system

People

Experienced & Certified Test Resources
Knowledge of Hospital Operations
Technology and Ecosystem familiar
We know Testing

Ready Script Library

- Foundational Pre-Defined Scripts
- Defined by Category of Scripts
- The Value of many client input
- Continued Maintenance for Upgrades

The Proven Path to Test Success

Tool

- Comprehensive Tool
- Mimics your workflow
- Non Obstructive Software
- Streamlined Error Correction

Expedited Results

- Success in Months vs Years
- Assess the Current State
- Develop Automated Test Charter
- Build custom Script Library
- Test & Repeat

Solution Components

An EHR centric script library that is advanced by adding client specific scripts and maintained by released based enhancements

Deliver, Build, & Maintain			
Initial Scripts Library	Client Customization Release Enhancement		
 Patient Access Emergency Department Clinical Inpatient & Outpatient Clinical Ancillary Revenue Cycle 	 Develop Test Charter Identify Gaps Conduct Turbo Capture Sessions (Your workflows) Add client customized scripts Support for on-request projects Develop scripts to address new module function Additions to Core scripts library Support for on-request 		
One-time Fee	Custom Development Annual Fee		
Performance Management & Reporting			
 Executive Dashboards Script Performance Metrics (Pass/Fail) Error Detection and Escalation 			

IMPLEMENTATION APPROACH



IMPLEMENTATION APPROACH

Test phases that will allow you to see the vast capability of our tool and the practical application within our Test Automation factory



Scope Creation

- Which applications?
- Which modules?
- Which Workflows?



Workflow Capture Sessions (Turbo Capture)

- On-Site
- SME/Analyst walk through WF steps
- SRC Tester captures WF



Compare to Development Library Entries

- Client WF compared to library
- Reducing development effort



Create Custom Automated Workflows

- Unit/Functional
- Integrated
- Available to Client to run at click of a button



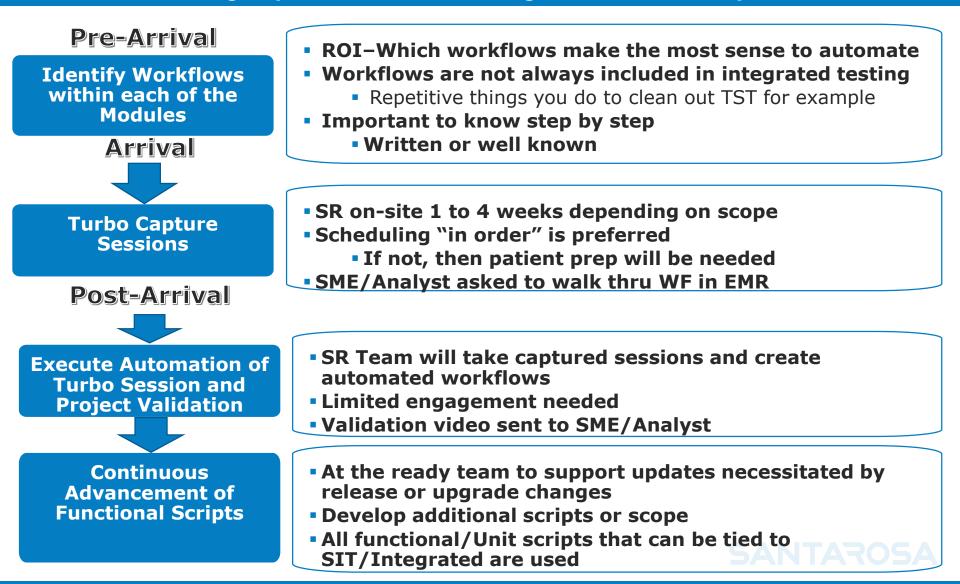
Maintain Customized Workflows

- Upgrades
- Patient Safety/Financial Code Changes



SESSION EXPLANATION TURBO CAPTURE SESSIONS

Delivering Expedited Results through Process and Experience



VALUE – TURBO CAPTURE SESSIONS

Delivering Expedited Results through Process and Experience

- Does not replace manual testing 100%
 - Does replace repetitive testing 100%
- Availability of other team workflows
 - Registration
 - Staging of patient workflow to get to your workflow
- Data for Reporting Team
- Speed of accomplishing repetitive tasks
- Timings of not only entire workflow but each step
- Errors come with screen shots and description of error e-mail to responsible party for vetting
- Training standardization



VALUE OF AUTOMATON



HARD TO QUANTIFY ROI IMPACT

ROI that can only be Quantified Based on After the Fact Events

Category	Value of Testing	Impact of Non Automation
Patient Safety	 Repeatable scripts for critical clinical workflows. Ensures patient safety is realized for even the smallest of code changes 	 Patient Satisfaction Legal Challenges
Revenue Integrity	 Critical revenue streams are tested to ensure work queues and processes are always challenged and validated Dynamic data assures claims are not interrupted during processing 	 Lost Revenue Lengthy Recovery Process
User Adoption	 One shot at a first impression Higher adoption rates with fully tested EHR's by clinicians and physicians 	 Negative Clinical Experience Lengthy Acceptance Period
Increased Morale	 Resources assigned to manual testing teams do not like to perform repeatable/mundane workflows Only 20% manual effort required through automation so resources with a passion for testing can take a deeper dives into scenarios 	 Lack of actual testing Less attention to detail
Focused Remediation	Resources concentrate on the software fixes and enhancements.Maximizes value of the software	 Reduced Quality of Install Longer Remediation
Work Reduction	 Resources extracted from the business to test are not replaced Challenges to find/get commitment for test support 	 Patient Satisfaction (ER) Lost Revenue

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QUESTIONS

OPEN DISCUSSION

