









- SaaS methodology helps set the expectation for our companies to focus more on outcomes for our customers rather than simply on product deployments
- One of the major areas of contribution of good quality teams comes from their role as the bridge between technology and the customer
- Opportunities are greater than ever for quality leaders to enrich the partnership between technology and the business by employing their big picture mindset





























## We enrich test case strength by building a strong cross-group QA community

Strategy	Implementation	Observations and Results
• Enrich test case strength by restoring business knowledge to our process	<ul> <li>Virtual teams</li> <li>Knowledge sharing workshops</li> <li>Integration and E2E workshops</li> <li>Comprehensive test data management</li> </ul>	
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Strategy	Implementation	Observations and Results
Enrich test case strength by restoring business knowledge to our process		
Report test progress at the business use case level	<ul> <li>Report test progress by business use case</li> <li>Map test cases to business use cases</li> </ul>	





## Analyze all sequence diagrams and map touchpoints to primary use case

Primary Use Case	Number of Test Steps	Number of Touchpoints	% of test that is integration
Purchase	39	24	62 %
Migrate	21	13	62 %
Grant Access	10	6	60 %
Update Customer Info	19	11	58 %
Cancellation	25	16	64 %
Expire	8	5	63 %
Total	122	75	61 %

When functional test is complete we are approximately 39% finished

Confidence level based on project only showed an acceptable state of readiness

Project	E2E Test Ready Confidence Level
ERW	100 %
CRI	100 %
IVR	88 %
PS	95 % - Main work
OSG	50 %
EUI	46 %
~ Average	80 %

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Test execution results by use case provided a
view of risk at the feature level

Business use case	E2E Test Ready Confidence Level
Order via eStore	94 %
Order via CSR	94 %
Activate via web (My Pro)	78 %
Activate via CSR	53 %
Activate via IVR	74 %
Online activate-PS desktop	63 %
Add-maintain firm info- connected	50 %
Add-maintain firm info- disconnected	94 %
Transfer entitlements	63 %
Overall functional test complete	74 %
Quality S	Standard is 80%
2/3 of use cas	es are below standard

Strategy	Implementation	Observations and Results
Enrich test case strength by restoring business knowledge to our process		
•Report test progress at the business use case level	<ul> <li>Map test cases to business use cases</li> <li>Report test progress by business use case</li> </ul>	More visibility into schedule risk informs better decisions about resource allocation and tradeoffs





## SaaS brings opportunities for quality leaders to play a key role in achieving business goals

- Quality leaders bring a valuable perspective to SaaS implementations because of their role as the bridge between technology and the business
- Partnering across functional and business groups helps the organization address new problems that emerge with SaaS implementations
- The new mindset of quality leaders puts emphasis on identifying risks, creating quality communities, and focusing on business outcomes

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## Top reasons why broadening the boundaries of quality works for the organization "Better understanding of risk leading to better decisions about tradeoffs between schedule, resources, scope, and quality." "More productive testing in integration resulting in fewer schedule slips." "Fewer defects tied to cross-functional design misunderstandings." "Reduction in number of defects categorized as "as designed" or "not a bug". "Better allocation of test resources." "Less time spent chasing defects that turn out to be related to bad data." "Fewer surprises at the end of the software development life cycle." "Better visibility into the quality process as it relates to business outcomes." 36













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Speaker	Company/Affiliation	Date	Торіс
Eric Lotter	Surgient	9/9/09	Using Virtualization to Accelerate Quality/Test Cycles
Steve Rakitin	Software Quality Consulting	10/14/09	Software Quality Assurance Turns 50 A Critical Look at the Profession
Howie Dow and Steve Rakitin		11/11/09	Interactive Requirements Exercise
Michael Mah	QSM Associates	12/9/09	Rightsizing Your Project in a Down Econom
Robin Goldsmith	GoPro Management	1/13/10	I went to a Testing Conference and all they talked about was Requirements
Stan Wrobel	CSC	2/10/10	Requirements Tracing - Lessons from the Waterfall for the Agile and SCRUM teams
Billie Bell	Intuit	3/10/10	End-to-End Testing in a SaaS environment Extending the Definition of Quality
Michael Mah	QSM Associates	4/14/10	Rightsizing Your Project in a Down Econom
Urvashi Tyagi	Microsoft	5/12/10	A day in the life of a tester at Microsoft
Brian LeSuer	Star Quality	6/9/10	To be announced
Everyone		7/14/10	Annual Hot Topics Night



