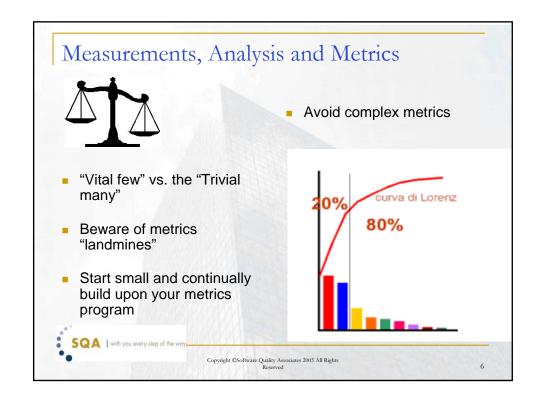




Understanding Risk Define acceptable

- Define acceptable quality
- Identify risk and associated assumptions
 - Business
 - Environment
 - Performance
- Analyze probability, impact, priority
- Control risk by avoiding, mitigating, transferring or accepting it





Process Optimization

- Understand the organization
- Perform assessments
- Make plans for change based on gap analysis and understanding of risk
- Socialize the optimization plan
- Implement incremental change through process integration



Forming the right mix in the team Organizational culture committed to learning Reward and recognition Communication, interpersonal skills Career path Training and education Copyright (Sofraer Quality Associates 2005 All Rights Reserved 8

Process Components Requirements Management Project Planning Software Quality Assurance Copyright Coffware Quality Associates 2005 All Rights Recerved



Project Planning: Understanding Risk

- Managing risk will help you to formulate contingency/backup plans when things go wrong
- Tie metrics to release criteria and track to reduce risk
- Track effectiveness and efficiency of the process

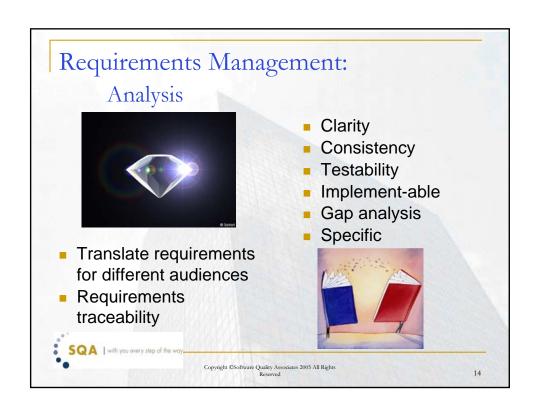


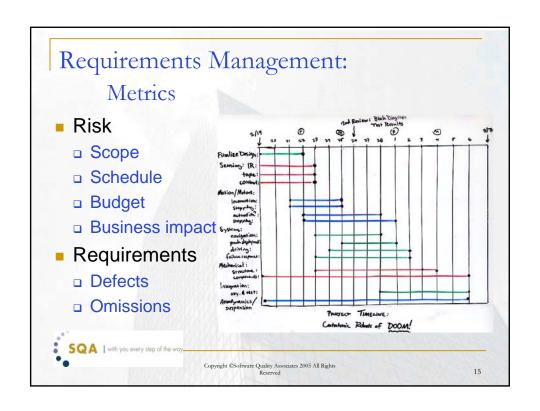
Software Quality Assurance: Understanding Risk

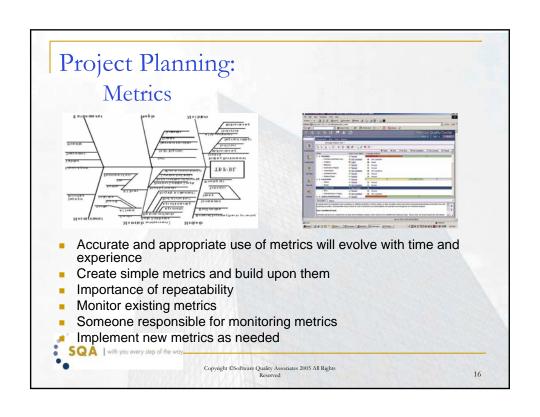
- Business risk
- "Getting it right" in terms of process and organization
- Is everyone on the same page agree and understand the process?











Software Quality Assurance: Metrics Program

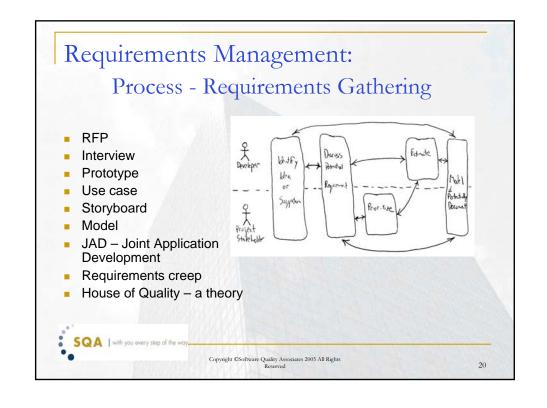
- There are three types of metrics that would greatly benefit any organization as it seeks to improve its quality program. They are:
 - Quality Improvement Metrics
 - Development/Defect Metrics
 - Analysis/Test Progress Metrics



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Key Topics: Understanding Risk Analysis and Metrics Process Organizational Design & Development





Project Planning:

Process

- Project management is mandatory
- Release criteria
- Configuration management
 - Source code control tools
 - Documentation control
- Develop estimates for all new work
- Track your estimates
- Develop a "lite" ROI for each change



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Software Quality Assurance:

Process

- What is the quality standard?
- Who defines it?
- Who communicates it?
- Who implements it?
- Are projects managed to prevent defects and fulfill requirements?
- Are tools in place to measure this?
- Is testing designed to measure progress or for defect detection?
- Are release management decisions made objectively?



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Concluding Remarks

- Ad Hoc into Maturity is about process improvement
- No one takes changes easily. Don't try to make all the changes at once
- Start with Requirements Management, Project Planning and Software Quality Assurance
- Show them why to do it voluntarily and try not to force change upon them
- Change will happen with or without you. Make it happen because of you



Questions?