* **Lean Spec QC: powerful peer review technology made simple.**
* *Don’t ‘clean up’ bad work.* ***Measure*** *how bad it is, and* ***motivate*** *people to really follow IT standards*
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* **Duration**: 1 Day.
* **Highlights**:
* this course teaches a breakthrough set of ideas about review technology. It focuses on making sure that defined standards are really learned and followed in practice. It does so by a simple one hour sample measure of any class of technical specification (requirements, design source code) to measure the major defect level. It uses this information to reject bad work and to motivate people to learn to normally perform to the agreed ‘exit level’ of following standards. This method was invented by Gilbs, and is currently working in pilot multinationals. It is based on over three decades of deep successful involvement with peer review technology in several industries by the teachers.
* **About**:
* This course is about peer reviews at two levels. Are specifications well written, and are they the right stuff for the job? The breakthrough idea is to use *sampling* to review, thus reducing costs radically, from conventional inspections and reviews. The second breakthrough idea is to not waste time fixing bad work, but instead to catch it early, and motivate people to actually produce good work consistently.
* **What You Will Learn**:
* 1. A Case study of using the SQC method
* 2. Determining the defect level
* 3. Predicting project delay correctly, as a result
* 4. In-class demonstration on real current spec if available
* 5. The Agile Specification Quality Control Process (SQC)
* 6. Setting up Rules to write and check
* 7, What is a defect
* 8. What is a major defect
* 9. What is defect density
* 10. What is an acceptable process exit level?
* 11. Can we clean up the defects? (no)
* 12. How fast do people achieve exit level personal performance?
* 13. The Agile Spec QC process defined in detail
* 14. Presenting the process to your organization
* 15. Expected results
* 16. Expected Costs
* 17. Necessary prerequisites
* 18. Organisational considerations
* 19. Agile SQC Principles
* 20. SQC Policy
* 21. Sample Rules for QC
* 22. The data collection process, even with an agile method
* 23. Analysis of the data collected
* **Who Should Attend**?
* Anybody interested in improving their review and inspection methods. And their QC and QA processes. The process applies in practice to all documents from management planning (Policies, Contracts, Guidelines, Standards, Proposals, Main Objectives), to Front-End documents (Requirements, Architecture, Test Plans) to very-detailed technology (test scripts, source code, interface descriptions). It has also been applied outside IT (Aircraft drawings (Boeing), Electronics (Ericsson, Nokia))
* **Prerequisites**: dissatisfaction with present quality of specifications in use
* **Documentation**: extensive practical documentation will be supplied digitally.
* **Teacher (s)**:
* Tom Gilb. Is the author of 9 books. Including (with D. Graham) “Software Inspection” (1993, in 14th printing). He has taught and practiced Software Inspections since 1975. He joined IBM in 1958, for 5 years, and has since been a freelance international consultant, teacher, writer.
* He was named Honorary Fellow of the BCS in 2012. See more detail and publications at Gilb.com.
* Kai Gilb: (not available Oct 2012 course, see Gilb.com), usually co-teaches on these courses. Is the co-developer of the Lean Spec QC method. *(more detail can be added here when he will be teaching the course)*
* **More Information**: [www.gilb.com](http://www.gilb.com),
* Specific Download:
* **“Agile Specification Quality Control:**
* **Shifting emphasis from cleanup to sampling defects”** (Testing Experience, March 2009)
* http://www.gilb.com/tiki-download\_file.php?fileId=264
* Version: 19 April 2012
* Feedback: TomSGilb@gmail.com