

CODE INSPECTION

ESSENTIAL PRACTICES

- Code inspections are regarded as one of the most time and cost effective means of testing software. It has actually been shown that code inspections not only dramatically increase the quality of delivered software but also reduce the total effort spent on development!
- This training workshop covers the range of code inspection/review techniques including desk review, team presentations, viewing room and various forms of peer review, showing when and where certain techniques are best to apply.
- The most effective form of all code inspection techniques, the 2-person peer review, is further expanded upon, explaining the importance of the roles of each participant as well as the mechanics of the technique itself. Attendees will be mentored by the presenter in the application of the 2-person peer review by undertaking a code inspection on their own code.
- This workshop is a ½ day training session designed for practising software engineers and team leaders. It is recommended that multiples of two staff from the same organisation/department attend together.

The What and Why:

- Available Code Inspection Techniques
- What code should be inspected
- Timing of the code inspection
- Benefits of code inspections

Workshop Activities: 🙋

- Review and tailoring a Code Inspection Report
- Code Inspection of **your** code
- Analysis of the results – what did we find and what does this mean...

Conducting a Peer Review:

- The “mechanics” of a code inspection
- Role of the Code Inspector
- Code Inspection Checklist / Report



Practical Session:



The hands-on part of this training workshop requires you to **bring a sample printout of source code** (at least 2 pages – of an entire class or source file - including header / interface file if appropriate). This should be code that you have recently authored.



“The exercise of actually reviewing code / being reviewed was very useful for understanding the concept” Gerard Chin, Software Engineer - Fugro Survey



“[like/learnt] mentoring abilities/possibility [and] code quality improvements” Marcus Baudach, IT Specialist - Bankwest

