

File 20080229.1200: Notes from meeting with Dr Martin: is there interplay between your ISO9000 and your evaluation success? Organisational? Technical? Engineering failure analysis. Project management.

It is broad right now. Frame the problem. Psychology. Economics.

A more detailed question, better suited to the comlab. At certain EALs, the CC says you have to use formal methods. Full stop. It just stops there. Why?

Problems with running controlled experiments in software engineering. Cost. Generalisation.

The CC should refer to ISO9000 or other software quality processes, but it doesn't.

Observe natural phenomena. Formulate hypothesis; test hypothesis via rigorous experiment; modify hypothesis; establish theory based on repeated validation of results. [1]

Transfer Report. Two questions: First, risk assessment. There is a risk that I will not be able to gain access to the necessary data without a fight. Second: methodological. How can I formulate a falsifiable hypothesis and test it in this type of study?

Post-mortem. I propose first, as a sub-part of the literature survey (gathering and classifying exhibits) to study the methods by which other investigators have performed this type of forensic analysis (*post mortem*). How does one apply the Scientific Method in an area where you can't do experiments? ($\$1.0 \times 10^6$). You do experiments on data that have already been collected.

I have an idea for an interesting Transfer Report.

References

- [1] Jorge Cham. *Scooped! The Third Piled Higher and Deeper Comic Strip Collection*. Piled Higher and Deeper, LLC, Los Angeles, California, 2007.