

Review of: "Formal Verification of a Change Control Process in Project Management"

Awais Qasim¹

¹ Government College University Lahore

Potential competing interests: No potential competing interests to declare.

It looks like the authors lack the technical expertise required to formally verify a system. They propose a technique of formally analyzing a change control process by applying temporal logic (in particular CTL). We use formal verification for real-time systems where we have timing constraints. It is not clear as how the proposed approach is different from using the traditional approach of quality assurance?

There is absolutely no need for the heading "2.2. Formal Methods and Specifications" as it is supposed to be already comprehended by the target audience.

The flowchart in figure 4 is too generic to be used to define the predicates.

The properties defined are definitely not fine grained and too generic. Like the reachability property, does it depend on the flow chart of your designed system? The EF property will always return true as every state is somehow accessible from the initial state? What part/subsystem we do not want to be execute under certain conditions?

The discussion section is too small to convey anything meaningful. All it explains is how the properties were executed on the NuSMV tool.