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

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Open Peer Review on Qeios

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Title: Formal Verification of a Change Control Process in Project Management

The authors have attempted a novel work in the area of Project management however the Authors are suggested to address the following points in the revised version.

Suggested Points:

1. The citation must be accompanied by the year in year format (ex. [Awad, 04]) is it not 2004?

2. Figures must be placed in the same section (for ex.Figure 1 shows the processes that have information relationships as inputs and outputs to PMI's ICC process.)And also the letters must be legible in all the figures.

3. There is no clear definition of the numbers present inside the boxes in figure 1

4. Section titles should be given in expanded form (for ex 2.4. CTL).

5. In Sec.2.4 The third para, "The Kripke structure is a tuple $M = (S, I, R, L)$, where S is a finite set of states, $I \subseteq S$ is a set of initial states, and $R \subseteq S\ S$?? Is it S (or) $S\ S$,

6. In the same section, the citation [Cimatti, 00], year ?? is it 1900 or 2000.In Figure 3, the arrow towards s_0 but without any root node, What it actually represents?

7. The language "NuSMV' may be expanded when its used for first time.

8. Figure 4 to 8 must be clearly drawn.

9. In page 7 and 13 there is term "automata" . Please include proper reference for this and brief.

10. How do you arrive at "States vs. state variables"

11. In page 16 "We simulated 120 changes to confirm that the programmed change control process model follows the behavior seen in the state transition system. Is there any specific reason for the number "120"

12. Is it possible to combine Figure 10 and 11?

13. All the equations must be properly numbered which are given inside the boxes throughout the paper

14. So for the system, if there is no change, Will the proposed model still work well? Justify

15. Is there any time constraints included in this change control process? Explain.