Review of: "Mathematical Assessment of the Reliability in a Complex Deregulated Power System"

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1. The abstract is too long. It can be shortened without omitting important aspects.

2. Despite the fact that the author mention the importance of FACTS devices in the introduction section, the author needs to state the contribution of this research and how the rest of the paper is organised in section 1.

3. In section 2, all variables from equation 1 to 17 should be explained clearly to enable the reader understanding.

4. The author state that the modified power flow solution using Newton-Raphson method gives a tremendous reduction in power loss. However, there is no evidence of this in the results. It would be good if simulations could be enhanced to get more results to support the hypothesis.

5. The results should be discussed thoroughly.