

Review of: "Chronological simulation and Quantitative Evaluation of System Reliability in a Complex Restructured Power System"

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Potential competing interests: No potential competing interests to declare.

Dear Authors,

First of all, I would like to express my congratulations for this publication. As far as I understood this article defines a proposition to use of FACTS to give support to transmission network in front of Distributed Generation as a bulk generation. In my opinion I think it might be necessary to improve different parts which are composing this paper, in introduction (algorithm, evaluating bulk... and identifying transmission weakness...).

On the other hand, different figures might be improved. Figure 2, 3 and 4 should be mentioned in this text. Figures 2 and 4 are old graphics could be improved and explain their content in text. Figure 3 is a good example to follow up rest of equations but could be put color or indication to understand the initial point and final point, although it is cyclic.

Figure 1 should be elaborated more due to represent current T&D network. Separate T&D in TSO and DSO and include aggregator actor which is mentioned in text. It is important to separate flexibility from network or from end user. In this text I understand that flexibility is referring for network.

I suggest reviewing second point in order to maintain continuous format. After equation (14) there is a paragraph with two lines without final point and double point in next paragraph. I suggest two write paragraphs with three lines as minimum. It is necessary to review all text.

Finally, I suggest elaborating more final results in order to publish this paper. After these changes and new revision, I will read again deeply this publication to provide new feedback.

Best regards.