

Dear Sanoj Kumar Jha

I am writing regarding maiden Regulation on Transmission Planning, hearing today and have the following suggestions to make:

1. In section 23.1 (j), the scenarios should be developed only after characterising the market scenarios. An added step to statistically characterise market scenarios should be added. (Develop distribution functions for different uncertain variables from the past data).
2. When defining the Transmission plan in section 22, all the types of upgrades will have correlation to each other. An interconnection upgrade could effect the reliability upgrade of a region. There should be a proper section defined to take care of the coordination between different objectives.
3. Transmission planning has been known to effect the prices and should be properly used to make the market fair. Proper section to analyse the market power effect, transmission planning has on GENCOs should be addressed.
4. With privatisation of generation side: effect of transmission switchng on market power and proper generation-transmission coordination needs to be addressed.

Ref:

1. M. Shahidehpour, Investing in expansion: the many issues that cloud trans mission planning, IEEE Power and Energy Magazine 2 (1) (2004) 14–18.

1. Y. Tohidi, M. R. Hesamzadeh, R. Baldick, D. R. Biggar, *Transmission Network Switching for Reducing Market Power Cost in Generation Sector: A Nash-Equilibrium Approach*, Electric Power Systems Research, Vol. 146, pp. 71-79, May 2017.
2. Y. Tohidi, M. R. Hesamzadeh, F. Regairaz, *Sequential Coordination of Transmission Expansion Planning with Strategic Generation Investments*, IEEE Transactions on Power Systems, Vol. 32, No. 4, pp. 2521 - 2534, July 2017.

[Abstract](#)

Thanking you
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