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# Large Computational Load (LCL) Power Variation Limit Discussion

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# LCL Power Variation Limit

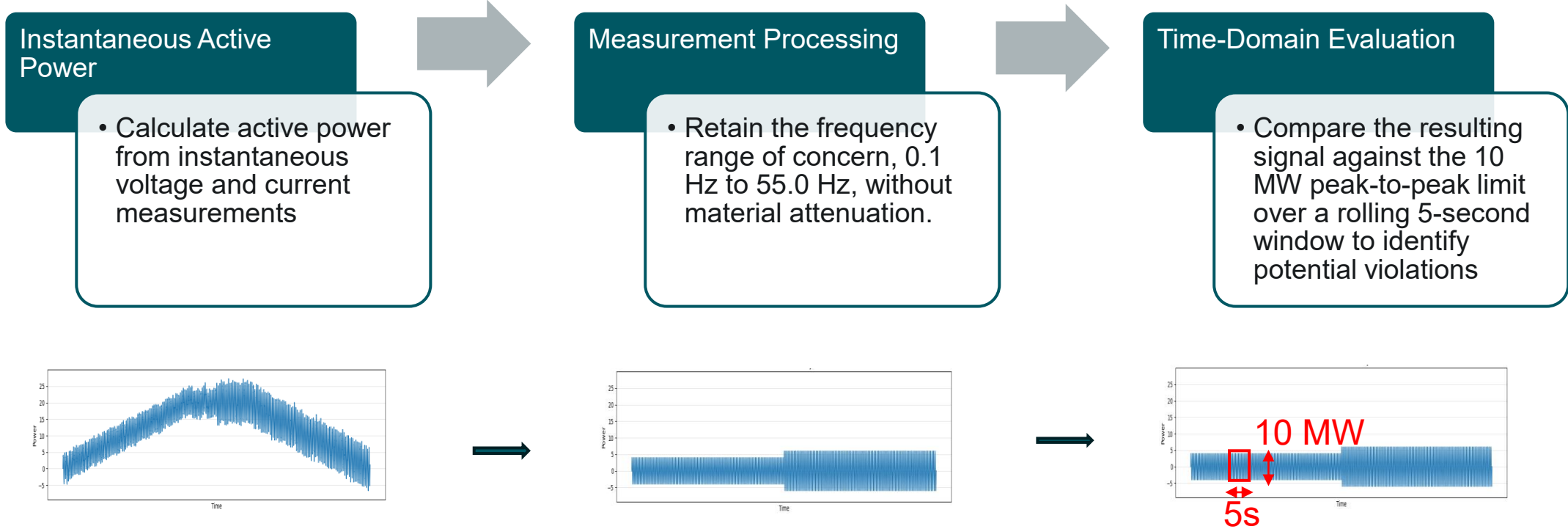
## Proposed Language:

***The peak-to-peak value of active power variation, calculated using instantaneous voltages and currents and filtered to preserve frequency components from 0.1 Hz to 55.0 Hz, shall not exceed 10 MW over any rolling 5-second interval.***

## Key Considerations:

- Retains the original 10 MW over rolling 5-second power variation criterion.
- Focuses the requirement on the oscillatory frequency range of concern: 0.1 Hz to 55 Hz.
- The frequency components of concern shall not be materially attenuated during measurement processing.

# Potential Evaluation Process



**Illustrative only:** the plots shown are for demonstration purposes to explain the evaluation concept and do not represent actual operating data or implemented filter design.

*The evaluation signal used for time-domain screening should be based on instantaneous active-power and retain, at a minimum, the 0.1 - 55.0 Hz active power variation range without material attenuation.*

Welcome stakeholders' input and suggestions

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