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Reliability and Smart Grids: Cause and Effect?

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Reliability & SGs

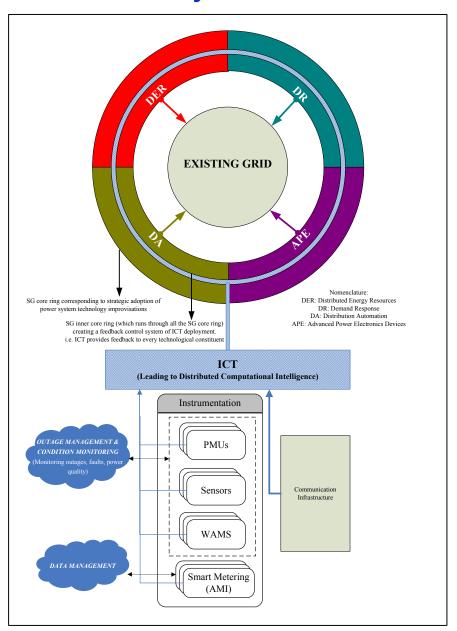
 Almost every working definition on SG emphasises on the term 'Reliability'.

- All the various SG visions stake claim to an improvement in reliability.
 - More often than not qualitative.

Reliability Perspective

 How can there be an improvement in the adequacy status of a power system?

Reliability Contributions



Cause? Effect?

Research Goals

 Identify the resource adequacy contributors upon the deployment of ICT from among the various technological constituents of SG.

- Develop suitable metrics to gauge the improved reliability.
 - For both ICT infrastructure + power system infrastructure