

## Consensus Recommendation of ICA WG for Demonstration A

Edits from June 1, 2016

### Draft ICA WG Recommendation to CPUC

ICA WG supports the Joint IOU request to test both the streamline and iterative methods through the Demo A projects to help inform adoption of the best single ICA method or combination of comparable methods, by Q1 2017 consistent with the ACR timeline, for all IOUs to use going forward. SCE and PG&E will test both methods and the ICA WG will reach consensus on whether SDG&E will also test both methods at the next meeting. Using these different methods, the Demo A will enable that enables the following:

- Results allow for streamlining Rule 21 interconnections while also informing developers and customers where DER and combinations of DER are best deployed
- Enables scenario analysis across the whole grid, in a timely manner, to inform system planning for hosting capacity
- Methodology is flexible enough to model different DER types and DER portfolios

However, this support is conditioned on the IOU Demo A plans including detailed plans for a comparative assessment of the two methods by the IOUs and to identify the process for moving toward a single methodology (or combination of methods that are determined to be comparable) statewide once the results of the Demonstration Projects are known. The Demo A plans, consistent with the ACR (p.19, 3.1.d & e), should include the following:

1. A detailed comparative summary of the methodologies and the content and format of results from the ICA analyses to be performed through Demo A projects.
2. A detailed common protocol comparative evaluation explaining how results of the individual IOU Demo A projects will be analyzed to allow comparison of:- a) ICA accuracy; b) ICA consistency; c) incremental ICA computing needs and costs; d) ICA computing time; e) ability to model both different types of DERs and DER portfolios, as well as and different scenarios system-wide.
3. Recommended protocol for baseline tests using reference circuits, for discussion and approval by the ICA working group. The baseline testing should test the full range of circuits, projected loads, and DER penetration across IOUs, and will test each individual ICA criteria (e.g., thermal, protection, power quality, safety). Testing on a single sample circuit will not be sufficient to demonstrate compliance with the CPUC requirement for consistency.
4. Discussion of how working group input regarding optimal granularity and frequency of updates will be incorporated in the Demo A projects.
5. A process for publishing the details of the methodologies, testing their consistency, and results should include reviews by the ICA WG prior to being submitted to the CPUC.
6. A process for not only testing the speed and accuracy of both methods, but also identifying improvements to the results of each method.
7. Use EPRi info outside resources (e.g. EPRi work) as a starting point for developing and evaluating streamlined each method, where possible.

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