

## **Grid Reliability Consulting, LLC Critical Infrastructure Protection Experience**

Grid Reliability Consulting, LLC and David Hilt have significant experience with the Critical Infrastructure Protection Standards and understanding the criticality of the electric grid in North America. Mr. Hilt served as one of two individuals from NERC representing the electric utility industry at the Department of Energy during the Y2K rollover. He coordinated the efforts with the industry and monitoring the roll over at the Department of Energy on December 31, 1999. This experience set the stage for understanding the criticality of the bulk electric system in North America.

While at NERC, Mr. Hilt led the development of the initial Urgent Action 1200 CIP standards that established the first reliability standards in the industry in 2003. These standards, while not enforceable, were developed by a team of industry experts under the direction of Mr. Hilt to demonstrate to the Federal Energy Regulatory Commission that the industry could move quickly to establish some requirements to be implemented to ensure cyber security.

Since that time, Mr. Hilt has conducted numerous audits while at NERC and mock audits as a consultant focused on the Critical Infrastructure Protection Reliability Standards (702 standards) as well as the 693 (operational and planning) standards. These mock audits have included companies in nearly all regions including large companies in WECC, TRE, NPCC, ReliabilityFirst, MRO, and SPP.

These audits have included all versions of the CIP reliability standards up to and including the current CIP Version.

The standard work has included work related to the CIP-014 reliability standard for physical security beginning with work to review the physical security of the 500 kV and the 230 kV facilities of Pacific Gas and electric following the Metcalf substation attack.

Mr. Hilt's resume provides additional detail related to his experience including serving as the Director of Information Technology at the MAIN Coordination Center when the industry was implementing open access transmission in response to FERC Orders 888 and 889 where Open Access Same Time Information Systems (OASIS) were required by FERC to implement the rules.

Mr. Hilt is also part of the DOE's Cyber Core Advisory Panel working closely with DOE, DHS, and NSA among other agencies. His role is to provide a credible understanding of the electric grid, the cyber system applied, and how those systems can result in electric grid impacts.