

Grid Services-based Future Control Centers

Huafeng Zhou¹, Felix F. Wu¹, Mark Lauby², Peter Hirsch²

1. University of Hong Kong, Hong Kong

2. Electric Power Research Institute, USA

Abstract

The evolving changes in power system operational needs brought about by industry restructuring require a distributed control center that is decentralized, integrated, flexible, and open. Present-day control centers are moving in that direction with varying degrees of success. With the rise of the internet age, the trend in information and communication technologies is moving towards Grid computing and Web services, or Grid services. A Grid service-based future control center is envisioned.