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Generator Reliability and Safety

Abstract:

In order to have more accurate system model for stability analysis, all the Generator Owner (GO) are required by North American Electric Reliability Corporation (NERC) to perform the MOD studies, the NERC reliability compliance studies will be addressed in this presentation, such as MOD-026-1, and MOD-027-1. In addition, NERC require GO to perform the Protection and Control (PRC) compliance studies, this presentation will also cover some PRC studies, such as PRC-019-2, PRC-024-2, and PRC-025-2. As we know, safety is always the first priority and cannot be compromised issue in the workplace, the arc flash study will be provided as well in this presentation

Biography:

Shiuhan-Hau Rau received the B.S. and M.S. degrees from Tatung University, Taipei, Taiwan, and the Ph.D. degree from the University of Texas at Arlington, Arlington, TX, in 2006, 2008, and 2016, respectively, all in electrical engineering. He is currently an Electrical Engineer with Shermco Industries, Inc., Irving, TX. He is a licensed Professional Engineer in Texas. He has been associated with IEEE/National Fire Protection Association Arc Flash Research Project since 2011. His areas of research interests include arc flash analysis, electrical safety analysis, stability analysis, and NERC compliance studies.