

Presentation # 1

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Title: CEATI's Distribution Planner's Manual

Abstract

The Distribution Planner's Manual was published in 1982 by the Canadian Electrical Association (CEA). The document has 14 supplementary guides mainly written by utility planners that were participating in CEA's distribution program at that time, and covered a number of aspects ranging from load forecasting, reliability evaluation and loss mitigation among others. CEATI members have identified the need for a completed review and updated of the existing manual to include present planning practices and challenges, including the considerations of smart-grid equipment, the integration of renewables into the distribution system and the evolution of new loads such as electric vehicles. The expected deliverable is a modern version of the Planner's Manual that can be used as a reference throughout the industry by experienced planners and also as learning and training tool by a new generation of power distribution engineers.

This presentation will cover the research framework promoted by CEATI in its Interest Groups, and highlight the expected contents of this reference manual, currently being developed by Quanta Technology.