



Standard Substation Circuits in Autodesk AutoCAD Electrical

Arnold Fry – Duke Energy
Co-presenter - Jared Driggers – Duke Energy

Code UT1943

Learning Objectives

At the end of this class, you will be able to:

- How to Establish a utility standard for circuit templates using a Multi-level device ideology in ACADE
- Learn how to create standard devices for a utility that can be used for both Brownfield and Greenfield stations also applied to standard engineering designs in circuits
- Learn how to create new or leverage existing standard engineering designs in ACADE circuits
- Establish a standard library and selection process for end users to effectively select the correct engineering standard circuits in ACADE

About the Speakers

Arnold W. Fry, PE

Manager, Transmission Standards

Duke Energy

*BSEE from Clemson University, Professional Engineer in North Carolina and South Carolina
25 Years of Electrical Industry experience including 18 years with Duke Energy. Responsible
for Transmission Line Standards, Protection and Control Standards, Substation Standards and
Design Tool Standards. Served as the business project manager for the implementation of the
Substation Design Solution. The Substation Design Solution utilizes Autodesk Software along
with a custom interface with enterprise systems including Maximo, Fusion and GE Smallworld.*

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Transmission Standards – Design Tools

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