



## Use of COMTRADE for Exchange of PMU Data

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## COMTRADE



- IEEE Standard (C37.111-1999) Common Format for Transient Data Exchange for Power Systems
- Uses multiple files for a single data record
  - Files have same root filename but different extensions
  - Required: configuration (.CFG) and data (.DAT)
  - Optional: header (.HDR) and information (.INF)
- Applicable to PMU data
- Required for Disturbance data by NERC Standard PRC-002-1 (R4)
- Any application that accesses stored PMU data should be capable of outputting the data in COMTRADE format

## IEEE PSRC Working Group H8 (HTF1)



- Schema for Phasor Data Using the COMTRADE File Standard
  - Available at <a href="http://www.pes-psrc.org/">http://www.pes-psrc.org/</a> -> Published Reports -> Click here to go to PSRC Publications Page
- IEEE Standard C37.118 (IEEE Standard for Synchrophasors for Power Systems) does not define a format for recorded data exchange
- H8 schema describes how to place synchrophasor data into the COMTRADE format
  - Describes treatment of quantities defined by C37.118
- Further Information Presentation by Ken Martin at PSTT/DNMTT joint session