Status Report
Transmission Availability Data System Task Force

Agenda Item 6.c

Planning Committee's Dec 6-7, 2006 Meeting

Jean-Marie Gagnon, Chairman, TADSTF

NERC
NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL

Task Force Background

- Oct 24, 2006: TF was created by the PC Executive Committee
- Purpose:

  In order to quantify or measure system performance and reliability, the TADS Task Force will recommend:

  a. The type of transmission availability data that transmission owners will report to NERC;
  b. A single process for collecting such data that avoids duplication of effort;
  c. The transmission availability statistics that would be calculated from the reported availability data; and
  d. Guidelines for release of such data and statistics

- Goal: to submit recommendations to the PC for approval at its meeting on Mar 21-22, 2007

Members and Schedule

- Membership is diverse:

Name	Company	Region
Jean-Marie Gagnon	Hydro-Quebec TransEnergie	NPCC
Jim Robinson	PPL Electric Utilities	RFC
Brian Keel	Salt River Project	WECC
Jeff Mitchell	Reliability*First* Corporation	RFC
Mike Pakeltis	CenterPoint Energy	ERCOT
Ram Adapa	EPRI	NA
Peter Gelineau	Canadian Electricity Association	NA
Gary Brinkworth	City of Tallahassee - Electric Utility	FRCC
John Odom	FRCC	FRCC
Ed Pfeiffer	Ameren	SERC
Peter Harris	ISO-NE	NPCC
Jason Shaver	American Transmission Co.	MRO & RFC
John Seelke	NERC	NA

- Schedule is tight
  - Conference call: Nov 2
  - Meeting: Nov 20-21 in Chicago
  - Future meetings planned for Jan and Feb 2007

Chicago Meeting Results (1 of 3)

- TF will use some of the work of others
  - Seven presentations by TF members
- Members agreed that the TF recommendations should require data and define metrics that are:
  - Comparable
  - Attainable
  - Verifiable
  - Simple
  - Relevant to various "users"
    - Transmission Owners, Transmission Operators, Transmission Planners, etc.
    - ERO
    - Government agencies (FERC, EIA, etc.)

Chicago Meeting Results (2 of 3)

- Areas of consensus
  - Forced outage data should be collected for individual circuits (lines and cables) ≥ 200 kV and transformers with low-side voltages ≥ 200 kV
  - Classify each forced outage:
    - By duration: momentary or sustained
    - By mode: independent, dependent, or common
  - Record load impacts of each forced outage ("yes" or "no")
    - Was load lost?
    - Did the outage create a reportable disturbance to a governmental entity? (e.g., is an OE-417 report required?)
- "Consensus" is only preliminary at this stage

Chicago Meeting Results (3 of 3)

- Remaining main areas for discussion
  - Whether to collect planned outage data
  - Whether to include other components (e.g., circuit breakers)
  - The specific metrics that are desirable
    - Is additional data required for those metrics?
  - Definitions
    - Forced and planned outage subcategories
    - Cause codes
  - Data reporting protocols
    - Circuit level vs. rolled-up data by circuit class
    - Data confidentiality
    - Who should report? To whom should data be reported?
      - Transmission Operators report data to NERC; NERC reports data to EIA?
  - A survey for Transmission Operators
    - To determine any implementation difficulties after the TF has reached consensus, but before its final report to the PC