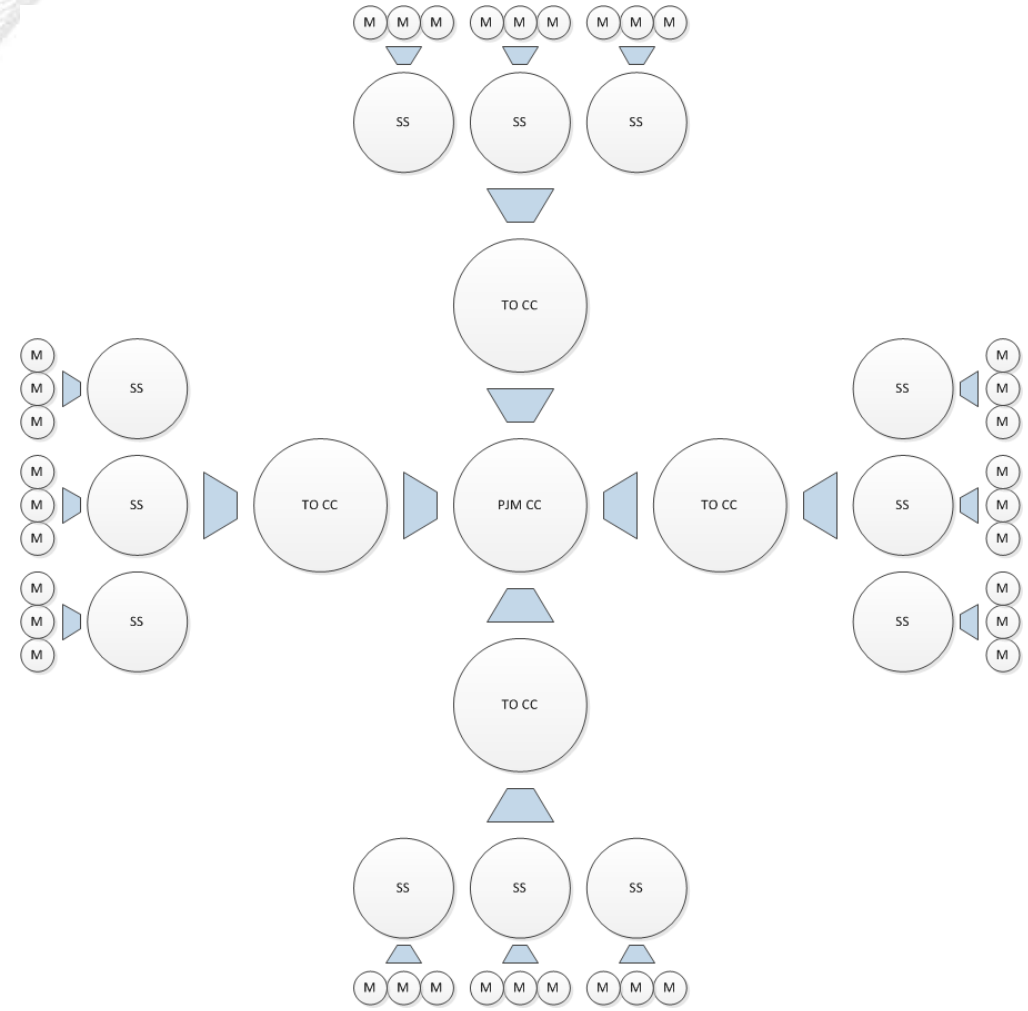


The Purpose of MTF

Review of Problem Statement, Issue Charge, and overall vision for the Metering Task Force.

Meter data accuracy, reliability, and availability is foundational to almost all electric utility operations – dispatch, protection, markets...



1927: Pennsylvania-New Jersey Interconnection formed, with companies PSEG, PECO and PP&L

1956: BGE and GPU join, becoming PJM

1995: Metering Group drafts Billing Meter Standards and hosts group meetings on metering where at least PSEG, PEPCO, DPL, and PJM are represented

1997: PJM becomes an ISO based on FERC orders that began deregulation

1997: First draft of PJM M01 Control Center Requirements

1997: M01 R0 includes grandfather clause for all metering before 12/1/1997.

1998: First revision of M01

2000: Second revision of M01

2002: AP is the first external control area to join the PJM RTO as a market participant

2003: Third revision of M01 "Complete revision of manual to reflect PJM Standards and Systems"

2004: ComEd, AEP and DPL joins

2005: DLCO, Dominion Virginia Power joins

2011: FirstEnergy (ATSI and CPP) joins

2013: Duke (EKPC) joins

2013: 23rd revision of M01, Major changes to Tie Line telemetry requirements, and other reorganization

2015: 30th revision of M01, would have reorganized and updated metering requirements, but required TF to address concerns

- Attempted to more clearly segregate “revenue metering” from “real-time metering” requirements.
- Addressed some 30 tracked comments/questions/suggestions from members.
- Sought to not actually alter requirements, but to clarify, *and* create at least one clear category for any given meter.
- Highlighted big gaps between PJM understanding/interpretation of M01 text and member understanding/interpretation as well as actual installed metering.

- PJM uses Manuals to specify, socialize and endorse standards, requirements and practices.
- Manuals 01, Section 5, is the main body of PJM metering requirements.
- In a vacuum, PJM would like completely accurate and reliable metering available everywhere.
- In reality there are costs, business limitations, and technical limitations for completely accurate and reliable metering available everywhere.



- The existing metering is “working”.
 - Clearly identify and define the installed metering.
- Is there a better balance to strike?
 - Investigate the advantages of accurate/reliable metering.
 - Consider the costs of requirements.
 - Consider industry peer standards and NERC/FERC rules.
- Consider updates for any substantially new issues.
 - New Tie Line definitions
 - Etc.

PJM Task Force process to provide organization and structure to gather and assess information, and make consensus-based data-driven decisions.

PJM will use MTF outcomes to edit PJM Manuals accordingly.