Manual 01: Control Center and Data Exchange Requirements
Revision 48

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- Cover to Cover Periodic Review

  – Minor changes and error fixes for readability and consistency.

- Section 4.4 additions to Interpersonal Communication Capability Failure notification requirements, specifying that notification is only required if all designated communication modes failed.

- Attachment A: additional note for references to other PJM Manuals for seasonal or weather operating limitation data submittal.

- Attachment B: Schedule of Data Submittals, "Recommend (date)" changed to "Recommended by (date)"

- Formatting, grammar and consistency. No content or meaning change.

- Sections:
    - 1.4
    - 2.1
    - 2.3.1
    - 2.5.1
    - 2.5.6

- COM-001-3 R10 specifies the need to notify entities within 60 minutes of the detection of a failure of its Interpersonal Communication capability that lasts 30 minutes or longer.

- Revision edits articulate that interpersonal communication can be, and typically is, multi-layered, with several redundant methods (i.e. cell, satellite, radio) available at a control center.

- Revision edits clarify that the need to notify entities of failure only applies if all communication methods have failed.

Section 4.4 Interpersonal Communication Capability Failure

PJM System Operations Division employs multiple forms of voice communications that are available from both PJM control rooms (Valley Forge and Milford). Within each PJM control room site there are multiple levels of communication redundancy, including dedicated ring-downs, manual dial, business voice systems, cellular, All-Call, and facsimile communications. Likewise, PJM Member TOs employ multiple forms of voice communications with multiple levels of redundancy, for example, but not limited to, dedicated ring-downs, manual dial, business voice systems, cellular, and radio. All of these may, collectively, form the basis of a TO's Interpersonal Communication capability.

The notification requirements associated with NERC Standard COM-001 R10 and associated tasks identified in the TO/TOP Matrix apply to the designated Interpersonal Communication systems.

And, for this reason, Member TOs are required to deploy the notifications established in the assigned tasks for COM-001, R10 only when the Alternative Interpersonal Communication is the sole communication(s) available, which occurs after a failure of all other Interpersonal Communication that form the basis for the Member TOs Interpersonal Communication capability. A loss of any elements within the Interpersonal Communication capability (e.g. manual dial and radio fail) does not require notification when the member has other forms of voice communications that it has designated as forming the basis of its Interpersonal Communication capability (e.g. cell phone) as long as all applicable parties have a viable shared communication path.

PJM requires similar data from external entities as it does from PJM Members, such as neighboring Balancing Authorities, Transmission Operators, and Reliability Coordinators and receives such data through the channels mentioned above, and provides such data to these entities. The primary methods for exchanging this data are:

1.   ICCP data via the EIDSN
2.   NERC SDX data exchange
3.   EMS model exchange3

Added note:

Note: Please reference PJM Manual -14D Generator Operational Requirements, Section: Fuel, Emissions and Operational Data Reporting for specific details on providing PJM seasonal operating limitation data per EOP-011, IRO-010, and TOP-003. Please reference M-13 Emergency Operations, Section: Cold Weather Advisory/Alert for providing operating limitations during local forecasted cold weather.

- Attachment B lists submittals from Transmission Owners to PJM required to demonstrate NERC compliance.

- "Recommend <date>" changed to "Recommended by <date>" for clarity.

- First Read
  - TTMS 7/21
  - SOS 8/2
  - OC 8/10
  - MRC 8/24
- Endorsement
  - SOS 9/1
  - OC 9/7
  - MRC 9/20