



Regulation Testing Process Overview

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RMDSTF
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- Member notifies PJM Performance Compliance and PJM Dispatch at least 24 hours before PJM-administered or self-scheduled test through RegulationTesting@pjm.com
 - PJM Dispatch will make a determination as to whether the test can be run
 - PJM Performance Compliance will make a determination as to whether the test can be scored
- Member includes following information for a test request:
 - Resource name and ID
 - Date and time of the test (EPT)
 - Amount of MW being tested (+/- TReg, regulation capability)
 - Basepoint (The resource will be regulating around that basepoint)
 - Signal type (RegA or RegD)
 - Reason for testing (new resource, disqualified resource, change in capability, change in communication path – New Owner, change in communication path – Existing Owner)

- Regulation testing requirements have been met by verifying the resource:
 1. Was providing Regulation for the duration (40 minutes) of the test
 2. Can achieve its full Regulation testing range (+/- TREG)
 3. Has held its Regulation base loading for the full duration of the test
 4. That no other resources within the testing fleet were in the Regulation market during the testing period
 5. Has scored 75% or more in performance score



Self-scheduled and PJM-administered Test Rules

- Self-scheduled test
 - Member must use the PJM test shape posted on PJM’s website and fed into the resource owner’s EMS
 - Markets and Operations > Ancillary Services > Market Based Regulation page
 - Member must set testing unit to unavailable during the test, other units may continue to regulate
 - Up to 3 self-administered tests may be performed on a resource each day
- PJM-administered test
 - The tests should be administered by PJM Dispatch
 - All resources within the Fleet will be taken out of the Regulation market for the specific signal
 - Only 1 PJM-administered test may be performed on a resource each day

Regulation Testing (Must hit full regulation range @ >75%)

3 tests (either 3 PJM-administered tests or 1 self-scheduled test and 2 PJM-administered tests)

1 PJM-administered test

New Resources

Disqualified Resources

Uprate

Change in Communication Path – Existing Owner

Change in Communication Path – New Owner

New Performance Score of an average of 3 tests

New Performance Score of an average of 3 tests

New Performance Score of 1 test

Historical Performance Score

New Performance Score of 1 test

Disqualified Resources

Change in Capability (MW)

Change in Communication Path or EMS – Existing or New Owner/MOC

New Resources

1 PJM-administered test

2 tests = 1 self-scheduled test + 1 PJM-administered test or 2 PJM-administered tests

New Performance Score of (an average of) PJM-administered test(s)

- Self-scheduled test is recommended for new resources to determine capability and basepoint MW values, and resolve any technical issues that can be worked out on Member's side.
 - PJM will provide a testing template for resources to score their self-scheduled test results. A new resource must satisfy all test requirements and provide self-scheduled test results to PJM for the final confirmation.
 - In order to be considered for a valid self-scheduled test, results must be submitted to PJM within 10 business days of the test.
 - A resource must pass self-scheduled test before scheduling PJM-administered test if the resource chooses 1 Self-scheduled test + 1 PJM-administered test option
- PJM-administered test is required for resources to ensure communication is working between a resource and PJM. PJM will score the test. If it's a successful test, then PJM will enter MW capability and performance score in PSCE.

- Remove below language from Manual 12 under a new proposal
 - Certifying Multiple Combustion Turbines or Hydro Units operating under a single plant control system:
 - Must have a minimum of 3 tests of the control system
 - Performance of each of the units being certified must be demonstrated in at least one of these tests.

Presenter/SME

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Member Hotline

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POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

