

Implementation of BAL-002-2

Operating Committee
November 07, 2017



- **BAL-002 is the Disturbance Control Standard**
 - A Balancing Authority should have Contingency reserves, at a minimum, to cover their most severe single contingency (MSSC)
 - A Balancing Authority, after experiencing a disturbance event, should recover ACE to defined values and restore their Contingency reserves.

- **BAL-002-2 will become effective on 1/1/2018**
 - PJM has identified additional manual language to support BAL-002-2 Requirement 2 (R2)

- **R2:** Each Responsible Entity shall develop, review and maintain annually, and implement an Operating Process as part of its Operating Plan to **determine its Most Severe Single Contingency** and make preparations to have Contingency Reserve equal to, or greater than the Responsible Entity's Most Severe Single Contingency available for maintaining system reliability.
 - PJM currently identifies its Most Severe Single Contingency (MSSC) as the largest generator online or identified “double spin” scenarios but details of this process are not fully documented in current PJM Manuals.

- ***Detailed language will be reviewed in the respective manuals***
- **Manual 13 – Emergency Operations**
 - PJM identifies its Largest Single Contingency by surveying the greatest MW loss due to a single contingency to include both generation and transmission element losses
- **Manual 10 – Pre-Scheduling Operations & Manual 14D – Generator Operational Requirements**
 - GOs shall notify PJM of scheduled or emergent conditions that will result in the simultaneous (within 1 minute) loss of multiple generating resources
- **Manual 3- Transmission Operations**
 - TOs shall notify PJM of single contingency conditions that result in the loss of multiple generation units

- No impact to stakeholders with this implementation of BAL-002-2
 - Clarifying changes in Manuals
 - Same reporting process for outages
 - No change to Reserve Requirements document in M13 Section 2.2

Area	Ancillary Service Market Area	Day-ahead Scheduling (Operating)	Contingency (Primary)	Synchronized Reserve
RTO	RTO	Annual %	150% Largest Single Contingency	Largest Single Contingency
	Mid-Atlantic & Dominion	N/A	150% of the Largest Single Contingency ¹	Largest Single Contingency ¹
SERC	Dominion	VACAR ARS%	VACAR ARS%	VACAR ARS%