

Task Force Poll

DER Ride Through Task Force
April 23, 2019 Meeting

- Will be share with DERRTTF and PC Mailing Lists
- Gauge stakeholder interest in a new direction for the Task Force and proposed settings
- Results will be used to develop a solutions package at the next meeting

1. Please indicate your preference for the output of this Task Force:
 - PJM “standard” settings that should be used consistently for all DER facilities across the PJM footprint
 - PJM “standard” settings that should be used for all FERC-jurisdictional DER facilities across the PJM footprint
 - PJM “recommendation” that can be used when the local EDC does not have a standard
 - Other (free-text entry)

2. Please indicate your preference for the IEEE 1547-2008 Abnormal Conditions Category:
 - Category 1
 - Category 2
 - Category 3

3. Please indicate your preference for the under voltage 1 (UV1) intermediate low voltage trip:
 - Trip within 2 seconds at $V < 0.88$ p.u. (implies 1.84 second ride through as specified in Cat II)
 - Trip within 10 seconds at $V < 0.88$ p.u. (ride through between 3 - 5s as specified in Cat II)
 - Trip within 11 seconds at $V < 0.88$ p.u. (ride through between 3 - 5s as specified in Cat II)
 - Trip within 21 seconds at $V < 0.88$ p.u. (ride through for 10s or 20s as specified in Cat III)
 - Other (please specify)

4. Please indicate your preference for the under voltage 2 (UV2) severe low voltage trip:
- Trip within 0.32 seconds at $V < 0.45$ p.u. (implies 0.16 second ride through in "permissive operation" mode down to 0.30 p.u. as specified in Cat II)
 - Trip within 1.1 seconds at $V < 0.45$ p.u. (implies 0.16 second ride through in "permissive operation" mode down to 0.30 p.u. as specified in Cat II)
 - Trip within 1.5 seconds at $V < 0.5$ p.u. (implies 0.16 second ride through in "permissive operation" mode down to 0.30 p.u. as specified in Cat II)
 - Trip within 2 seconds at $V < 0.5$ p.u. (with 1 second of ride through in "permissive operation" mode down to 0.0 p.u. as specified in Cat III)
 - Other (please specify)

5. Please indicate your preference for the Additional Requirements:
- "Mandatory operation" mode required in Cat II "permissive operation" regime, and for $V < 0.30$ p.u., add "ride through in momentary cessation" for 0.160 seconds followed by "momentary cessation" until trip at 0.320 s.
 - Within Cat II "Permissive Operation" regime, Mandatory Operation mode required for $V > 0.50$ p.u., and Momentary Cessation mode required for $V < 0.50$ p.u.
 - Other (please specify)
6. Please indicate your preference for the overvoltage 1 (OV1) intermediate high voltage trip:
- Use 1547-2018 Cat II default: trip within 2 seconds for $V > 1.1$ p.u. (with stepped ride through between 0.20 and 1 seconds, as specified in Cat II)
 - Use 1547-2018 Cat III default: trip within 13 seconds for $V > 1.1$ p.u. (with ride through in momentary cessation for 12 seconds, as specified in Cat III)
 - Other (please specify)

7. Please indicate your preference for the overvoltage 2 (OV2) severe high voltage trip:
 - Use 1547-2018 Cat II default: trip within 0.160 seconds for $V > 1.2$ p.u., with implication of no ride through as specified in Cat II
 - Use 1547-2018 Cat III default: trip within 0.160 seconds for $V > 1.2$ p.u., with implication of no ride through as specified in Cat III
 - Other (please specify)

8. Please indicate your preference for the under frequency 1 (UF1) intermediate low frequency trip:
 - Use 1547-2018 default: trip within 300 seconds at $f < 58.5$ Hz (with 299 seconds of ride through)
 - Other (please specify)

9. Please indicate your preference for the under frequency 2 (UF2) severe low frequency trip :
- Use 1547-2018 default: trip within 0.160 seconds at $f < 56.5$ Hz (with no ride through below 57 Hz)
 - Other (please specify)
10. Please indicate your preference for the over frequency 1 (OF1) intermediate high frequency trip:
- Use 1547-2018 default: trip within 300 seconds for $f \geq 61.2$ Hz (ride through for 299 seconds for $f \leq 61.8$ Hz as specified in IEEE 1547-2018)
 - Other (please specify)

11. Please indicate your preference for handling DER that are physically incapable of meeting the recommended requirement:
- IEEE 1547-2018 Cat I
 - IEEE 1547-2019 Cat II but without the addition of momentary cessation etc.
 - Up to utility discretion
 - Other (please specify)