

BULLETIN

1. **Bulletin ID #:** B-01-DT-10-015.R3
2. **Reference Document:** “Distributed Generation Technical Interconnection Requirements (TIR) Interconnections at voltages 50 kV and below”, *DT-10-015 R3, March 2013*, and all preceding versions - The original document published as *DT-10-015 R0, in November 2009*, and revised as *DT-10-015 R1, in February 2010* and as revised as *DT-10-015 R2 in June 2011*.
3. **Type:** Modification of clause 2.3.12 (iv)
4. **Release date:** January 14, 2016
5. **Effective date:** January 14, 2016
6. **Affected Section of The TIR:**
Section 2.3.12 Anti-Islanding requirements under the Protection Requirements in the Technical Interconnection Requirements section of the TIR.
7. **Existing Requirement – Section 2.3.12 Item (iv)**
DG Facilities ≤ 500 kW shall be exempted from Item (iii)(c) above and allowed to install the following passive anti-islanding schemes in lieu of Transfer Trip as an interim protection until Hydro One standardizes on a Transfer Trip solution for DG Facilities ≤ 500 kW:
 - a) Rate of Change of Frequency (ROCOF); and
 - b) Vector Surge or Reverse Reactive Power.
8. **Modified Requirement**
For DG Facilities rated ≤ 500 kW where Hydro One determines that its connection will not result in an unacceptable risk of an island formation in its distribution system, the DG Facility may be exempted from Item (iii)(c) above and allowed to install the following passive anti-islanding schemes in lieu of Transfer Trip as an interim protection until Hydro One standardizes on a Transfer Trip solution for DG Facilities ≤ 500 kW:
 - a) Rate of Change of Frequency (ROCOF); and
 - b) Vector Surge or Reverse Reactive Power.
9. **Background and Reason:**
Due to the amount of generation connected/connecting to Hydro One’s Distribution System, there is an increased risk in certain areas where the mismatch between the load and connected/connecting generation is small such that DG Facilities ≤ 500 kW can increase the risk of an island being maintained. An uncontrolled island can lead to power quality issues, reliability issues, damaged equipment, and may pose a safety concern to utility employees as well as the public. To address these concerns, Hydro One will require installation of Transfer Trip to DG Facilities ≤ 500 kW where Hydro One has determined that there is an increased risk of island formation.

If you have questions related to this bulletin, please contact: