



## Inverter-Based Resource Workshop Follow Up Update

ROS  
October 3, 2019

# Inverter-Based Resource Workshop Follow Up Status Dashboard

Issues	Status (Tentative Schedule)	Workgroups	Target Dates
Better Communication of Existing Requirements	Develop a reference document to facilitate the understanding of the existing requirements, procedures, and practices. (Q4, 2019)	Resource Integration Workshop (RIW)	RIW (9/26/2019, 10/28/2019)
	Consider a NPRR on IBR definition. (Q4, 2019)	Resource Definition Task Force (RTF)	
Nuisance Tripping and Artificially Limiting Plant Capability	Continue discussion on this topic.		No scheduled activity
Voltage Ride Through and Momentary Cessation	Consider a NOGRR to clarify VRT and momentary cessation (Q3, 2019)	Dynamics Working Group (DWG)	DWG (8/27/2019)
	Consider a NOGRR to add transient overvoltage ride through requirement (Q1, 2020)	DWG	
	Identify the need of more detailed FIS stability analysis (like PSCAD study) (Q1, 2020)	DWG, RIW	
Dynamic Models	Consider a PGRR to improve dynamic model quality (Q3, 2019)	DWG, RIW	RIW (6/20/2019, 7/30/2019, 9/26/2019) DWG (8/27/2019)
	To strengthen the model validation requirements (Q4, 2019)	DWG, RIW	
Battery Energy Storage Operational Requirements	Develop requirements for battery energy storage (Q1, 2020) (Will be covered in the BESTF)	ROS, RIW	ROS (monthly)
Advanced Features and Others	Continue discussion on this topic. Zero MW reactive support		No scheduled activity

## Better Communication of Existing Requirements

- To be included in the Resource Integration Handbook. Items to be included:
  - Voltage Ride Through
    - No momentary cessation
    - Expected and unacceptable performance with examples
  - Frequency Ride Through
    - Frequency detection and measurement
  - Voltage Control and Coordination
    - Steady State: droop, gain, performance, static and dynamic reactive support behind POI
    - Dynamic performance
  - Relay and Protection Setting
    - Based on physical limitation, not artificial setting based on the minimum requirements
  - Ramp rate performance
  - Reactive power capability testing and expectation
- Next Steps
  - Discuss these items with RIW (4Q, 2019)
  - Update the Handbook (4Q, 2019)

# Questions

Comments are welcome

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